

NEWFIELD



October 24, 2006

State of Utah  
Division of Oil, Gas & Mining  
Attn: Diana Whitney  
1594 West North Temple - Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: Application for Permit to Drill  
**Federal 16-22-9-16**

Dear Diana:

Enclosed find an APD on the above referenced well. This will be a directional well drilled off of the proposed Federal 9-22-9-16. If you have any questions, feel free to give either Dave Allred or myself a call.

Sincerely,

A handwritten signature in cursive script, appearing to read "Mandie Crozier".

Mandie Crozier  
Regulatory Specialist

mc  
enclosures

RECEIVED

OCT 25 2006

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

5. Lease Serial No.

UTU-74392

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA Agreement, Name and No.

N/A

8. Lease Name and Well No.

Federal 16-22-9-16

9. API Well No.

43-013-33394

10. Field and Pool, or Exploratory

Monument Butte 105

11. Sec., T., R., M., or Blk. and Survey or Area

N  
NE/SE Sec. 22, T9S R16E

12. County or Parish

Duchesne

13. State

UT

1a. Type of Work: ☒ DRILL

☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other

☒ Single Zone ☐ Multiple Zone

2. Name of Operator

Newfield Production Company

3a. Address

Route #3 Box 3630, Myton UT 84052

3b. Phone No. (include area code)

(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)

At surface NE/SE 2068' FSL 649' FEL

At proposed prod. zone SE/SE 659' FSL 664' FEL

14. Distance in miles and direction from nearest town or post office\*

Approximately 19.1 miles southwest of Myton, Utah

15. Distance from proposed\*  
location to nearest  
property or lease line, ft.  
(Also to nearest drig. unit line, if any)

Approx. 1981' f/lse, NA f/unit

16. No. of Acres in lease

2080.00

17. Spacing Unit dedicated to this well

40 Acres

18. Distance from proposed location\*  
to nearest well, drilling, completed,  
applied for, on this lease, ft.

Approx. 1424'

19. Proposed Depth

6075'

20. BLM/BIA Bond No. on file

UTB000192

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

5800' GL

22. Approximate date work will start\*

1st Quarter 2007

23. Estimated duration

Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.

2. A Drilling Plan.

3. A Surface Use Plan (if the location is on National Forest System Lands, the  
SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see  
Item 20 above).

5. Operator certification.

6. Such other site specific information and/or plans as may be required by the  
authorized officer.

25. Signature



Name (Printed/Typed)

Mandie Crozier

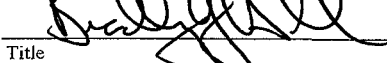
Date

10/24/06

Title

Regulatory Specialist

Approved by (Signature)



Name (Printed/Typed)

BRADLEY G. HILL

Date

05-07-07

Title

OF ENVIRONMENTAL MANAGER

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

Surf

577005X

4429577Y

40.014779

- 110.097708

BHL

577006X

4429148

40.010915

- 110.097753

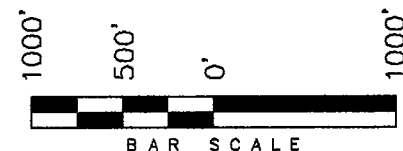
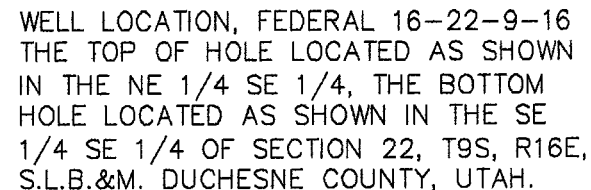
Federal Approval of this  
Action is Necessary

RECEIVED

OCT 25 2006

DIV. OF OIL, GAS & MINING

**NEWFIELD PRODUCTION COMPANY**



THIS IS TO CERTIFY THAT THE ABOVE PLAN WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF. No. 189377

STACY W. STEWART  
REGISTERED LAND SURVEYOR  
REGISTRATION No. 98835  
STATE OF UTAH

**TRI STATE LAND SURVEYING & CONSULTING**

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

DATE SURVEYED: 04-11-06	SURVEYED BY: C.M.
----------------------------	-------------------

DATE DRAWN: 04-20-06	DRAWN BY: F.T.M.
-------------------------	------------------

REVISED: 06-15-06 F.T.M.	SCALE: 1" = 1000'
-----------------------------	-------------------

 = SECTION CORNERS LOCATED

BASIS OF ELEV;  
U.S.G.S. 7-1/2 min QUAD (MYTON SE)

**FEDERAL 16-22-9-16**  
**(Surface Location) NAD 83**  
**LATITUDE = 40° 00' 53.27"**  
**LONGITUDE = 110° 05' 54.15"**

**NEWFIELD PRODUCTION COMPANY**  
**FEDERAL #16-22-9-16**  
**AT PROPOSED ZONE: SE/SE SECTION 22, T9S, R16E**  
**AT SURFACE: NE/SE SECTION 22, T9S, R16E**  
**DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**DRILLING PROGRAM**

**1. GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

**2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' – 2230'
Green River	2230'
Wasatch	6075'

**3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation 2230' – 6075' - Oil

**4. PROPOSED CASING PROGRAM**

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

**5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

Please refer to the Monument Butte Field SOP. See Exhibit "C".

**6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

Please refer to the Monument Butte Field SOP.

**7. AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Please refer to the Monument Butte Field SOP.

**8. TESTING, LOGGING AND CORING PROGRAMS:**

Please refer to the Monument Butte Field SOP.

**9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

**10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

Please refer to the Monument Butte Field SOP.



**NEWFIELD PRODUCTION COMPANY  
FEDERAL #16-22-9-16  
AT PROPOSED ZONE: SE/SE SECTION 22, T9S, R16E  
AT SURFACE: NE/SE SECTION 22, T9S, R16E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Newfield Production Company well location site Federal #16-22-9-16 located at surface in the NE 1/4 SE 1/4 Section 22, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southwesterly - 1.8 miles  $\pm$  to it's junction with an existing road to the southeast; proceed southeasterly - 9.9 miles  $\pm$  to it's junction with an existing road to the southwest; proceed southwesterly - 5.6 miles  $\pm$  to it's junction with the beginning of the proposed access road to the south; proceed southeasterly and then southwesterly - 0.2 miles  $\pm$  to the proposed well location.

**2. PLANNED ACCESS ROAD**

The proposed well will be drilled directionally off of the proposed Federal 9-22-9-16 well pad. See Topographic Map "B" for the location of the proposed access road.

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

**4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

It is proposed that this well will be drilled directionally off of the proposed Federal 9-22-9-16 well pad. All permanent surface equipment will be painted Carlsbad Canyon.

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

**5. LOCATION AND TYPE OF WATER SUPPLY**

Please refer to the Monument Butte Field SOP. See Exhibit "A".

**6. SOURCE OF CONSTRUCTION MATERIALS**

Please refer to the Monument Butte Field SOP.

**7. METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

8. ANCILLARY FACILITIES

Please refer to the Monument Butte Field SOP.

9. WELL SITE LAYOUT

See attached Location Layout Diagram.

10. PLANS FOR RESTORATION OF SURFACE

Please refer to the Monument Butte Field SOP.

11. SURFACE OWNERSHIP - Bureau Of Land Management (Proposed location and access roads leading to).

12. OTHER ADDITIONAL INFORMATION

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #05-240, 7/25/05. Paleontological Resource Survey prepared by; Wade E. Miller, 9/28/05. See attached report cover pages, Exhibit "D".

For the proposed Federal #16-22-9-16, Newfield Production proposes to drill this location off of the Federal #9-22-9-16 wellpad. Newfield Production Company has previously requested a 350' ROW be granted in Lease UTU-64379 and 720' of disturbed area be granted in Lease UTU-74392 to allow for construction of the proposed access road. **Refer to Topographic Map "B".** For the planned access road a temporary width of 60' will be needed for construction purposes with a permanent width of 30' and a running surface of 18'. The construction phase of the planned access road will last approximately (5) days. The planned access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Newfield Production Company has previously requested a 350' ROW in Lease UTU-64379 and 720' of disturbed area be granted in Lease UTU-74392 to allow for construction of the proposed gas lines leading to the Federal #9-22-9-16. It is proposed that the ROW and disturbed area will temporarily be 50' wide to allow for construction of a 6" gas gathering line, and a 3" poly fuel gas line, with a permanent width of 30' upon completion of the proposed gas lines. The construction phase of the proposed gas lines will last approximately (5) days. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Newfield Production Company has previously requested a 350' ROW in Lease UTU-64379 and 720' of disturbed area be granted in Lease UTU-74392 to allow for construction of the proposed water lines leading to the Federal #9-22-9-16. It is proposed that the ROW and disturbed area will temporarily be 50' wide to allow for construction of a buried 3" steel water injection line and a buried 3" poly water return line, with a permanent width of 30' upon completion of the proposed water return line. The construction phase of the proposed water lines will last approximately (5) days. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

**Water Disposal**

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte.

Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

**Threatened, Endangered, And Other Sensitive Species**

None.

**Reserve Pit Liner**

A 12 mil liner with felt is required. Please refer to the Monument Butte Field SOP.

**Location and Reserve Pit Reclamation**

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Western Wheatgrass	<i>Pascopyrum Smithii</i>	6 lbs/acre
Galletta Grass	<i>Hilaria Jamesii</i>	6 lbs/acre

**Details of the On-Site Inspection**

The proposed Federal #16-22-9-16 was on-sited on 3/22/06. The following were present; Shon McKinnon (Newfield Production), Nate West (Bureau of Land Management), and Brandon McDonald (Bureau of Landmanagement). Weather conditions were clear and ground cover was 100% open.

**13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION**

Representative

Name: Dave Allred  
Address: Route #3 Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #16-22-9-16 SE/SE Section 22, Township 9S, Range 16E: Lease UTU-74392 Uintah County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by US Specialty Insurance #B001832.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

10/24/06

Date

  
Mandie Crozier  
Regulatory Specialist  
Newfield Production Company



**Scientific Drilling**  
Rocky Mountain Operations

Project: Duchesne County, UT  
Site: Federal 16-22-9-16  
Well: Federal 16-22-9-16  
Wellbore: OH  
Design: Plan #2

**Nowfield Exploration Co.**



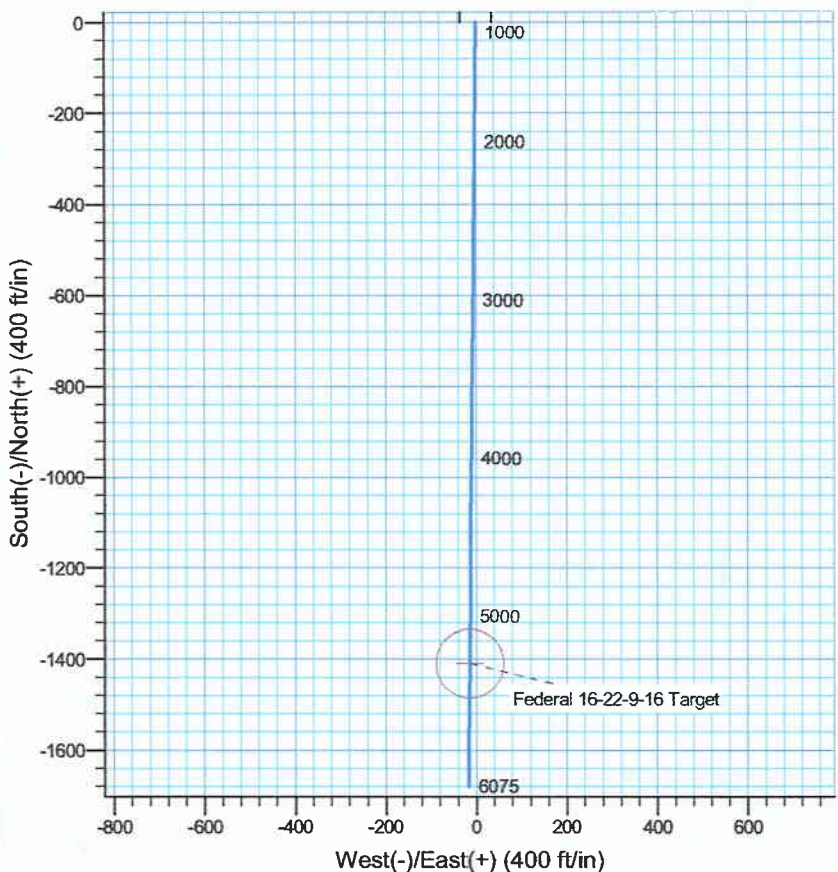
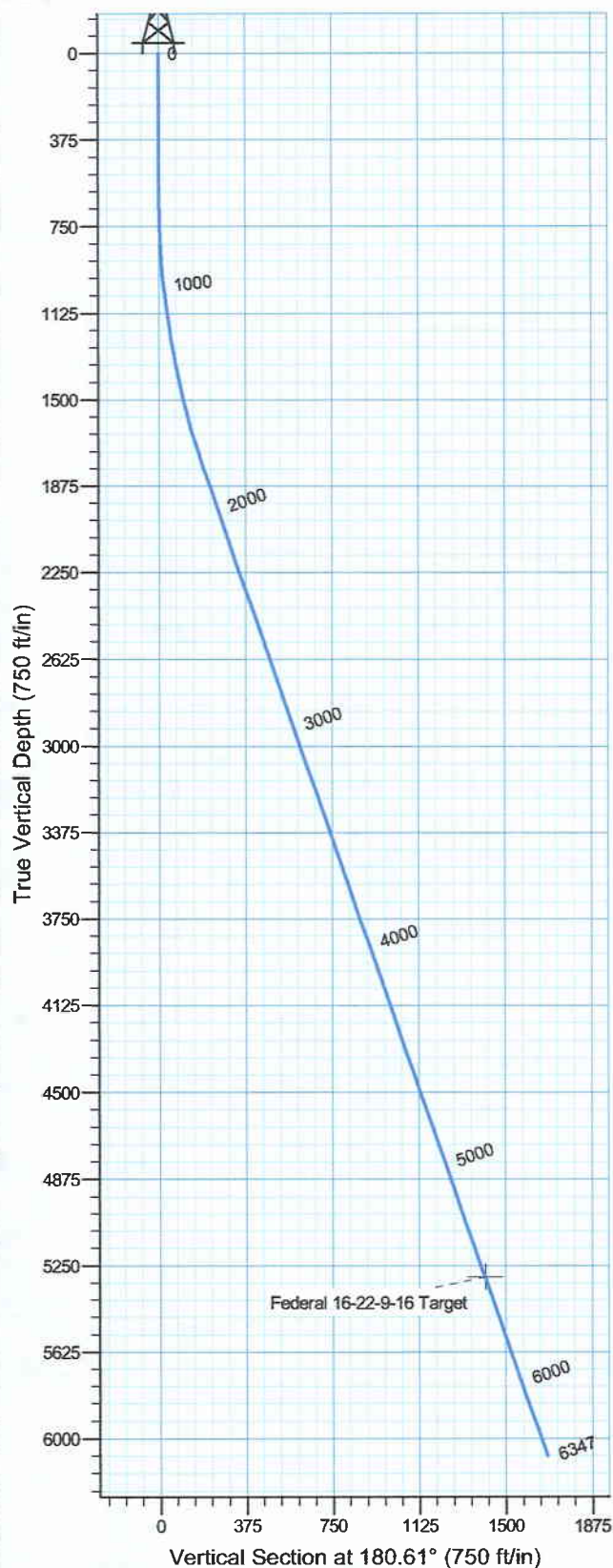
Azimuths to True North  
Magnetic North: 11.91°

Magnetic Field  
Strength: 52724.2nT  
Dip Angle: 65.88°  
Date: 2006-10-20  
Model: IGRF200510

WELL DETAILS: Federal 16-22-9-16

GL 5798' & RKB 15' @ 5813.00ft 5798.00

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	7177203.67	2032965.58	40° 0' 53.270 N	110° 5' 54.150 W



#### FORMATION TOP DETAILS

Formation data is available

Plan: Plan #2 (Federal 16-22-9-16/OH)

Created By: Julie Cruse Date: 2006-10-23

PROJECT DETAILS: Duchesne County, UT

Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: Utah Central Zone

System Datum: Mean Sea Level  
Local North: No north reference data is available

#### SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	
3	1878.06	19.17	180.61	1854.35	-211.82	-2.25	1.50	180.61	211.83	
4	523.90	19.17	180.61	5298.00	-1409.00	-15.00	0.00	0.00	1409.08	Federal 16-22-9-16 Target
5	346.52	19.17	180.61	6075.00	-1679.12	-17.88	0.00	0.00	1679.22	

# **Newfield Exploration Co.**

**Duchesne County, UT**

**Federal 16-22-9-16**

**Federal 16-22-9-16**

**OH**

**Plan: Plan #2**

## **Standard Planning Report**

**23 October, 2006**

# Scientific Drilling Planning Report

**Database:** EDM 2003.14.1.0 Single User Db  
**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT  
**Site:** Federal 16-22-9-16  
**Well:** Federal 16-22-9-16  
**Wellbore:** OH  
**Design:** Plan #2

**Local Co-ordinate Reference:** Well Federal 16-22-9-16  
**TVD Reference:** GL 5798' & RKB 15' @ 5813.00ft  
**MD Reference:** GL 5798' & RKB 15' @ 5813.00ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

<b>Project</b>	Duchesne County, UT		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Central Zone		

<b>Site</b>	Federal 16-22-9-16, Sec. 22 T9S R16E				
<b>Site Position:</b>		<b>Northing:</b>	7,177,203.67 ft	<b>Latitude:</b>	40° 0' 53.270 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,032,965.58 ft	<b>Longitude:</b>	110° 5' 54.150 W
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	in	<b>Grid Convergence:</b>	0.90 °

Well	Federal 16-22-9-16, SHL: 2068' FSL, 649' FEL					
Well Position	+N-S	0.00 ft	Northing:	7,177,203.67 ft	Latitude:	40° 0' 53.270 N
	+E-W	0.00 ft	Easting:	2,032,965.58 ft	Longitude:	110° 5' 54.150 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,798.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	IGRF200510	2006-10-20	11.91	65.88	52,724

Design	Plan #2			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N-S (ft)	+E-W (ft)	Direction (°)
	0.00	0.00	0.00	180.61

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,878.06	19.17	180.61	1,854.35	-211.82	-2.25	1.50	1.50	0.00	180.61	
5,523.90	19.17	180.61	5,298.00	-1,409.00	-15.00	0.00	0.00	0.00	0.00	Federal 16-22-9-16 T:
6,346.52	19.17	180.61	6,075.00	-1,679.12	-17.88	0.00	0.00	0.00	0.00	

# Scientific Drilling

## Planning Report

**Database:** EDM 2003.14.1.0 Single User Db  
**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT  
**Site:** Federal 16-22-9-16  
**Well:** Federal 16-22-9-16  
**Wellbore:** OH  
**Design:** Plan #2

**Local Co-ordinate Reference:** Well Federal 16-22-9-16  
**TVD Reference:** GL 5798' & RKB 15' @ 5813.00ft  
**MD Reference:** GL 5798' & RKB 15' @ 5813.00ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	1.50	180.61	699.99	-1.31	-0.01	1.31	1.50	1.50	0.00
800.00	3.00	180.61	799.91	-5.23	-0.06	5.23	1.50	1.50	0.00
900.00	4.50	180.61	899.69	-11.77	-0.13	11.77	1.50	1.50	0.00
1,000.00	6.00	180.61	999.27	-20.92	-0.22	20.92	1.50	1.50	0.00
1,100.00	7.50	180.61	1,098.57	-32.68	-0.35	32.68	1.50	1.50	0.00
1,200.00	9.00	180.61	1,197.54	-47.02	-0.50	47.03	1.50	1.50	0.00
1,300.00	10.50	180.61	1,296.09	-63.96	-0.68	63.96	1.50	1.50	0.00
1,400.00	12.00	180.61	1,394.16	-83.47	-0.89	83.47	1.50	1.50	0.00
1,500.00	13.50	180.61	1,491.70	-105.53	-1.12	105.54	1.50	1.50	0.00
1,600.00	15.00	180.61	1,588.62	-130.15	-1.39	130.15	1.50	1.50	0.00
1,700.00	16.50	180.61	1,684.86	-157.29	-1.67	157.30	1.50	1.50	0.00
1,800.00	18.00	180.61	1,780.36	-186.94	-1.99	186.95	1.50	1.50	0.00
1,878.06	19.17	180.61	1,854.35	-211.82	-2.25	211.83	1.50	1.50	0.00
1,900.00	19.17	180.61	1,875.07	-219.02	-2.33	219.03	0.00	0.00	0.00
2,000.00	19.17	180.61	1,969.52	-251.86	-2.68	251.87	0.00	0.00	0.00
2,100.00	19.17	180.61	2,063.98	-284.70	-3.03	284.71	0.00	0.00	0.00
2,200.00	19.17	180.61	2,158.43	-317.53	-3.38	317.55	0.00	0.00	0.00
2,300.00	19.17	180.61	2,252.89	-350.37	-3.73	350.39	0.00	0.00	0.00
2,400.00	19.17	180.61	2,347.34	-383.21	-4.08	383.23	0.00	0.00	0.00
2,500.00	19.17	180.61	2,441.79	-416.04	-4.43	416.07	0.00	0.00	0.00
2,600.00	19.17	180.61	2,536.25	-448.88	-4.78	448.91	0.00	0.00	0.00
2,700.00	19.17	180.61	2,630.70	-481.72	-5.13	481.74	0.00	0.00	0.00
2,800.00	19.17	180.61	2,725.16	-514.55	-5.48	514.58	0.00	0.00	0.00
2,900.00	19.17	180.61	2,819.61	-547.39	-5.83	547.42	0.00	0.00	0.00
3,000.00	19.17	180.61	2,914.07	-580.23	-6.18	580.26	0.00	0.00	0.00
3,100.00	19.17	180.61	3,008.52	-613.06	-6.53	613.10	0.00	0.00	0.00
3,200.00	19.17	180.61	3,102.97	-645.90	-6.88	645.94	0.00	0.00	0.00
3,300.00	19.17	180.61	3,197.43	-678.74	-7.23	678.78	0.00	0.00	0.00
3,400.00	19.17	180.61	3,291.88	-711.58	-7.58	711.62	0.00	0.00	0.00
3,500.00	19.17	180.61	3,386.34	-744.41	-7.92	744.45	0.00	0.00	0.00
3,600.00	19.17	180.61	3,480.79	-777.25	-8.27	777.29	0.00	0.00	0.00
3,700.00	19.17	180.61	3,575.25	-810.09	-8.62	810.13	0.00	0.00	0.00
3,800.00	19.17	180.61	3,669.70	-842.92	-8.97	842.97	0.00	0.00	0.00
3,900.00	19.17	180.61	3,764.15	-875.76	-9.32	875.81	0.00	0.00	0.00
4,000.00	19.17	180.61	3,858.61	-908.60	-9.67	908.65	0.00	0.00	0.00
4,100.00	19.17	180.61	3,953.06	-941.43	-10.02	941.49	0.00	0.00	0.00
4,200.00	19.17	180.61	4,047.52	-974.27	-10.37	974.33	0.00	0.00	0.00
4,300.00	19.17	180.61	4,141.97	-1,007.11	-10.72	1,007.17	0.00	0.00	0.00
4,400.00	19.17	180.61	4,236.43	-1,039.94	-11.07	1,040.00	0.00	0.00	0.00
4,500.00	19.17	180.61	4,330.88	-1,072.78	-11.42	1,072.84	0.00	0.00	0.00
4,600.00	19.17	180.61	4,425.33	-1,105.62	-11.77	1,105.68	0.00	0.00	0.00
4,700.00	19.17	180.61	4,519.79	-1,138.46	-12.12	1,138.52	0.00	0.00	0.00
4,800.00	19.17	180.61	4,614.24	-1,171.29	-12.47	1,171.36	0.00	0.00	0.00
4,900.00	19.17	180.61	4,708.70	-1,204.13	-12.82	1,204.20	0.00	0.00	0.00
5,000.00	19.17	180.61	4,803.15	-1,236.97	-13.17	1,237.04	0.00	0.00	0.00
5,100.00	19.17	180.61	4,897.61	-1,269.80	-13.52	1,269.88	0.00	0.00	0.00
5,200.00	19.17	180.61	4,992.06	-1,302.64	-13.87	1,302.71	0.00	0.00	0.00

# Scientific Drilling

## Planning Report

**Database:** EDM 2003.14.1.0 Single User Db  
**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT  
**Site:** Federal 16-22-9-16  
**Well:** Federal 16-22-9-16  
**Wellbore:** OH  
**Design:** Plan #2

**Local Co-ordinate Reference:** Well Federal 16-22-9-16  
**TVD Reference:** GL 5798' & RKB 15' @ 5813.00ft  
**MD Reference:** GL 5798' & RKB 15' @ 5813.00ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,300.00	19.17	180.61	5,086.51	-1,335.48	-14.22	1,335.55	0.00	0.00	0.00
5,400.00	19.17	180.61	5,180.97	-1,368.31	-14.57	1,368.39	0.00	0.00	0.00
5,500.00	19.17	180.61	5,275.42	-1,401.15	-14.92	1,401.23	0.00	0.00	0.00
5,523.90	19.17	180.61	5,298.00	-1,409.00	-15.00	1,409.08	0.00	0.00	0.00
<b>Federal 16-22-9-16 Target</b>									
5,600.00	19.17	180.61	5,369.88	-1,433.99	-15.27	1,434.07	0.00	0.00	0.00
5,700.00	19.17	180.61	5,464.33	-1,466.83	-15.62	1,466.91	0.00	0.00	0.00
5,800.00	19.17	180.61	5,558.79	-1,499.66	-15.97	1,499.75	0.00	0.00	0.00
5,900.00	19.17	180.61	5,653.24	-1,532.50	-16.31	1,532.59	0.00	0.00	0.00
6,000.00	19.17	180.61	5,747.70	-1,565.34	-16.66	1,565.42	0.00	0.00	0.00
6,100.00	19.17	180.61	5,842.15	-1,598.17	-17.01	1,598.26	0.00	0.00	0.00
6,200.00	19.17	180.61	5,936.60	-1,631.01	-17.36	1,631.10	0.00	0.00	0.00
6,300.00	19.17	180.61	6,031.06	-1,663.85	-17.71	1,663.94	0.00	0.00	0.00
6,346.52	19.17	180.61	6,075.00	-1,679.12	-17.88	1,679.22	0.00	0.00	0.00

### Targets

#### Target Name

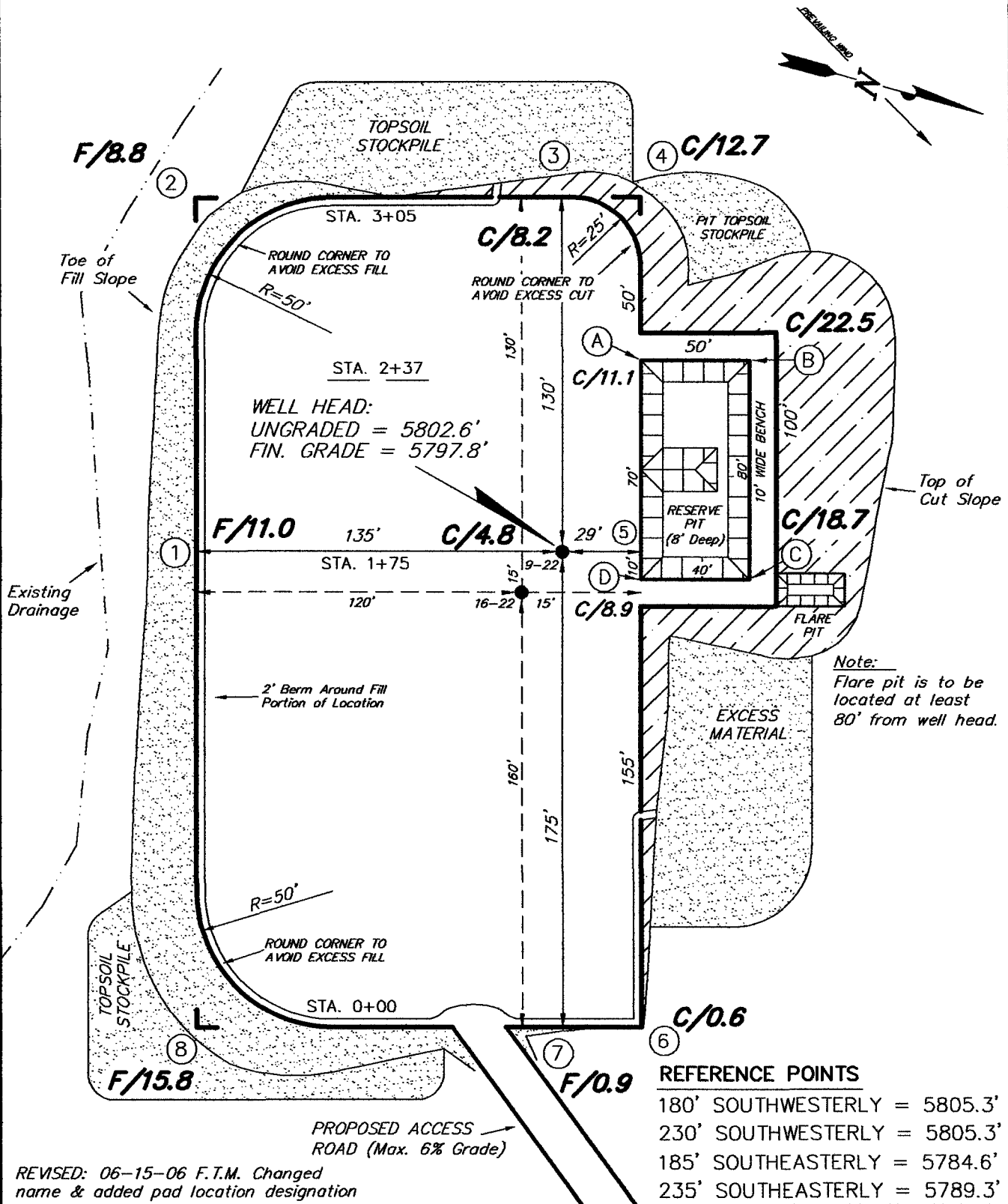
- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N-S (ft)	+E-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- Shape									
Federal 16-22-9-16 Targ	0.00	0.00	5,298.00	-1,409.00	-15.00	7,175,794.61	2,032,972.66	40° 0' 39.344 N	110° 5' 54.343 W
- plan hits target									
- Circle (radius 75.00)									



# NEWFIELD PRODUCTION COMPANY

FEDERAL 16-22-9-16

Pad Location: NESE Section 22, T9S, R16E, S.L.B.&M.



REVISED: 06-15-06 F.T.M. Changed name & added pad location designation

SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 04-20-06

**Tri State**  
Land Surveying, Inc.

(435) 781-2501

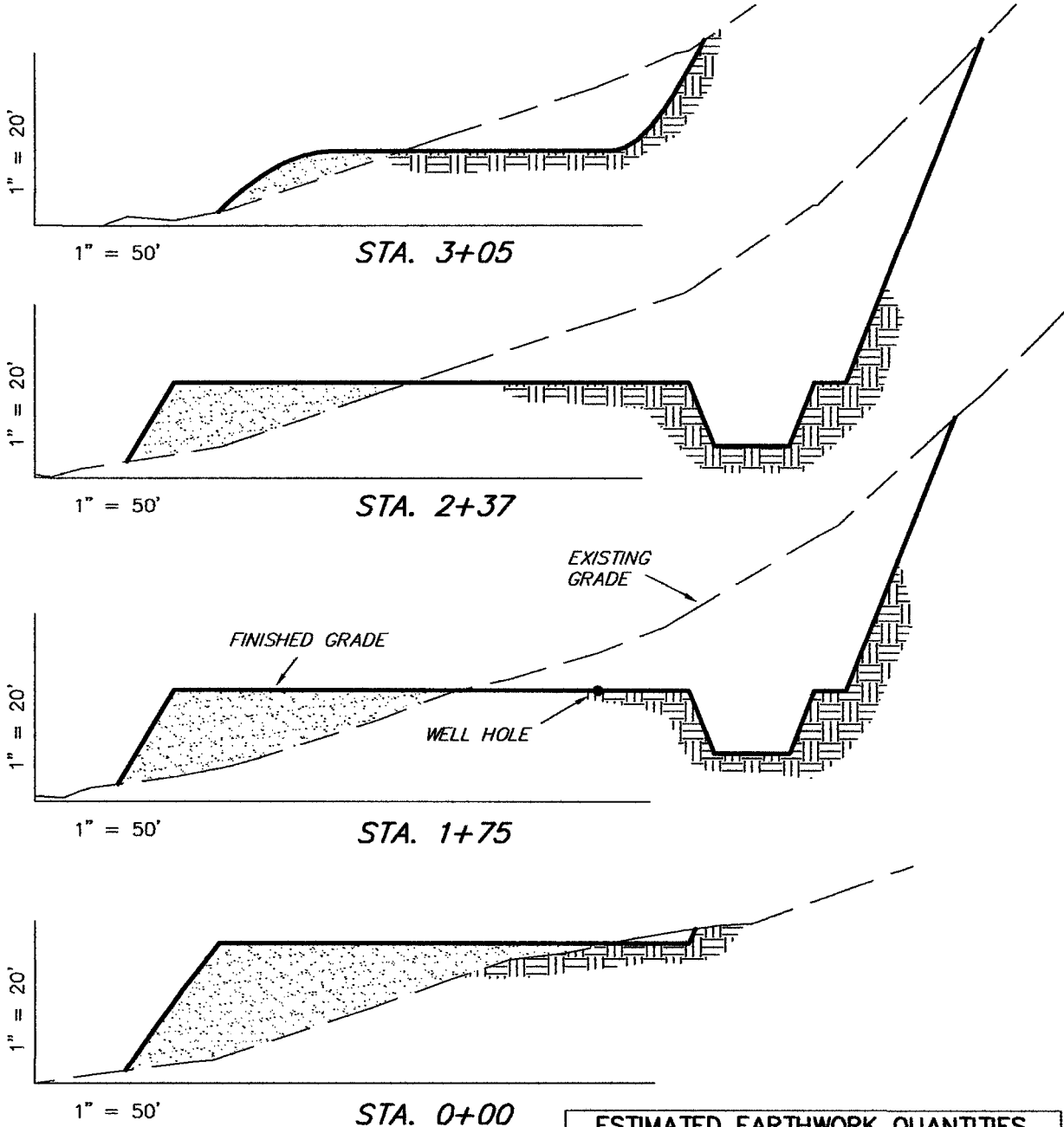
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS

### FEDERAL 16-22-9-16

Pad Location: NESE Section 22, T9S, R16E, S.L.B.&M.



NOTE:  
UNLESS OTHERWISE NOTED  
CUT SLOPES ARE AT 1:1  
FILL SLOPES ARE AT 1.5:1

REVISED: 06-15-06 F.T.M. Changed  
name & added pad location designation

#### ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	8,970	8,970	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	9,610	8,970	1,310	640

SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 04-20-06

**Tri State**  
**Land Surveying, Inc.**

(435) 781-2501

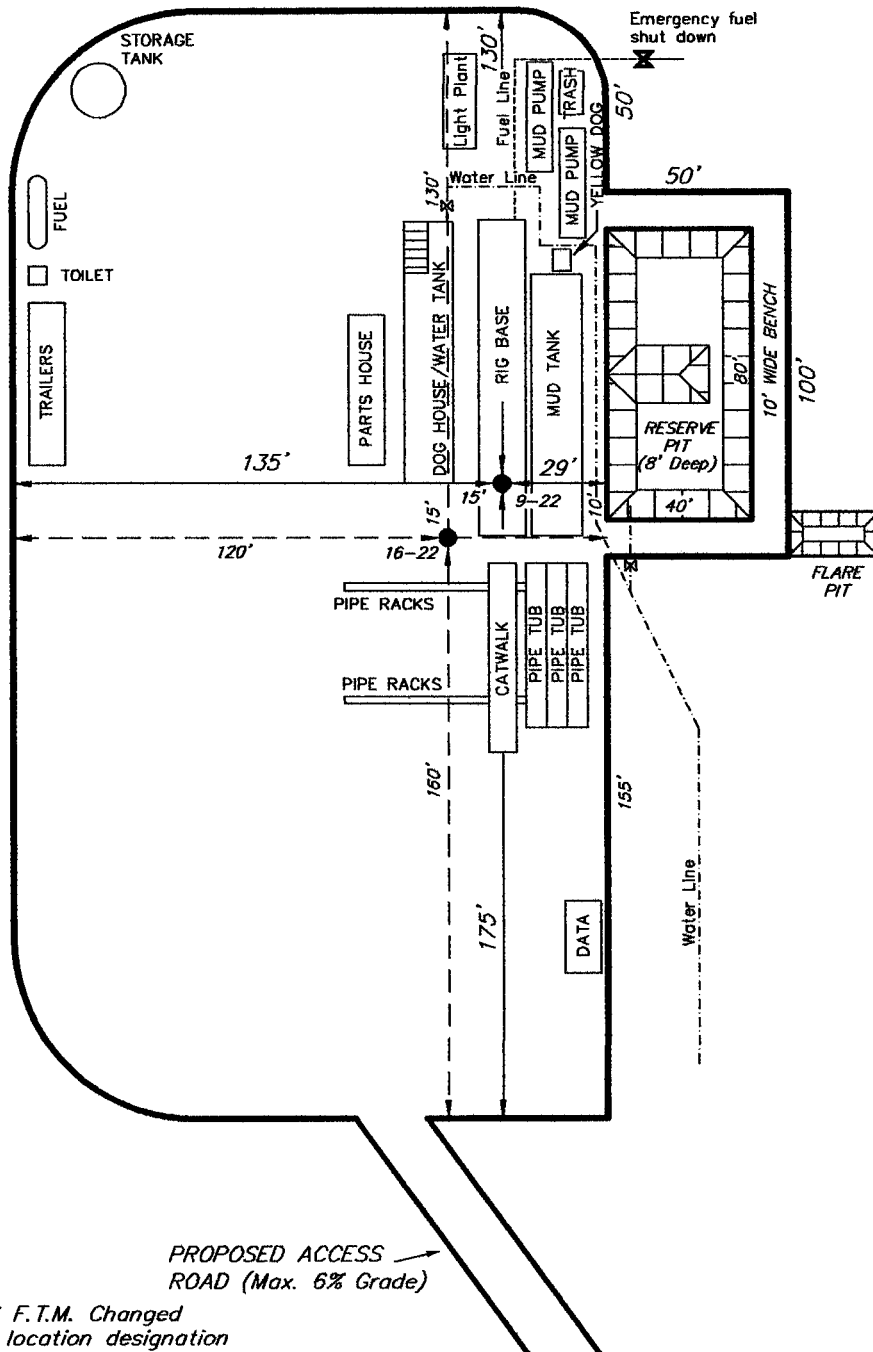
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEWFIELD PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

### FEDERAL 16-22-9-16

Pad Location: NESE Section 22, T9S, R16E, S.L.B.&M.



REVISED: 06-15-06 F.T.M. Changed  
name & added pad location designation

SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 04-20-06

**Tri State**  
Land Surveying, Inc.

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

(435) 781-2501

# Newfield Production Company Proposed Site Facility Diagram

Federal 16-22-9-16

From the Federal 9-22-9-16 Location

NE/SE Sec. 22, T9S, 16E

Duchesne County, Utah

UTU-74392

Site Security Plan is held at the Pleasant Valley  
Office, Duchesne County Utah

## Production Phase:

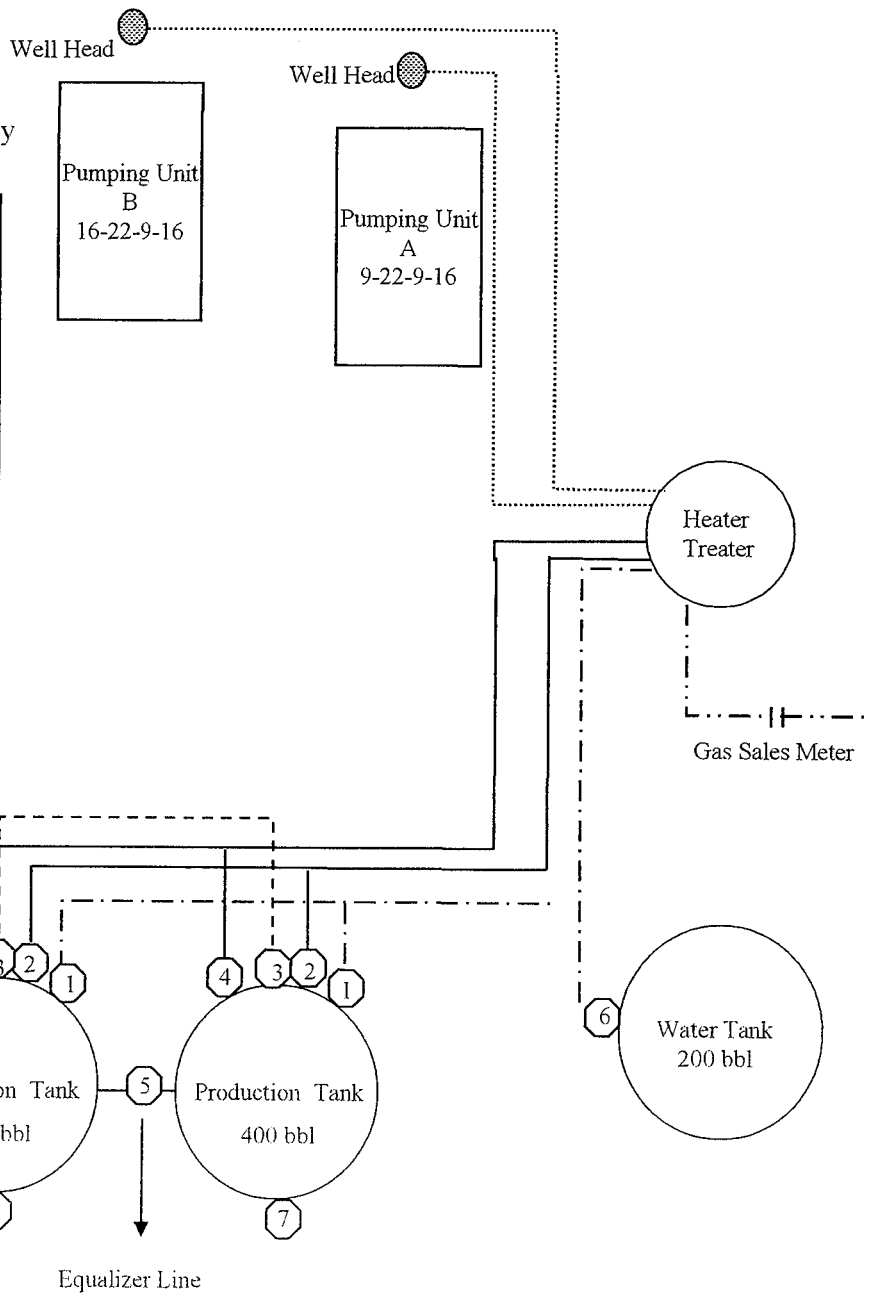
- 1) Valves 1, 3, 6, and 7 sealed closed
- 2) Valves 2, 4, and 5 sealed open

## Sales Phase:

- 1) Valves 1, 2, 4, 5, and 7 sealed closed
- 2) Valves 3 and 6 open

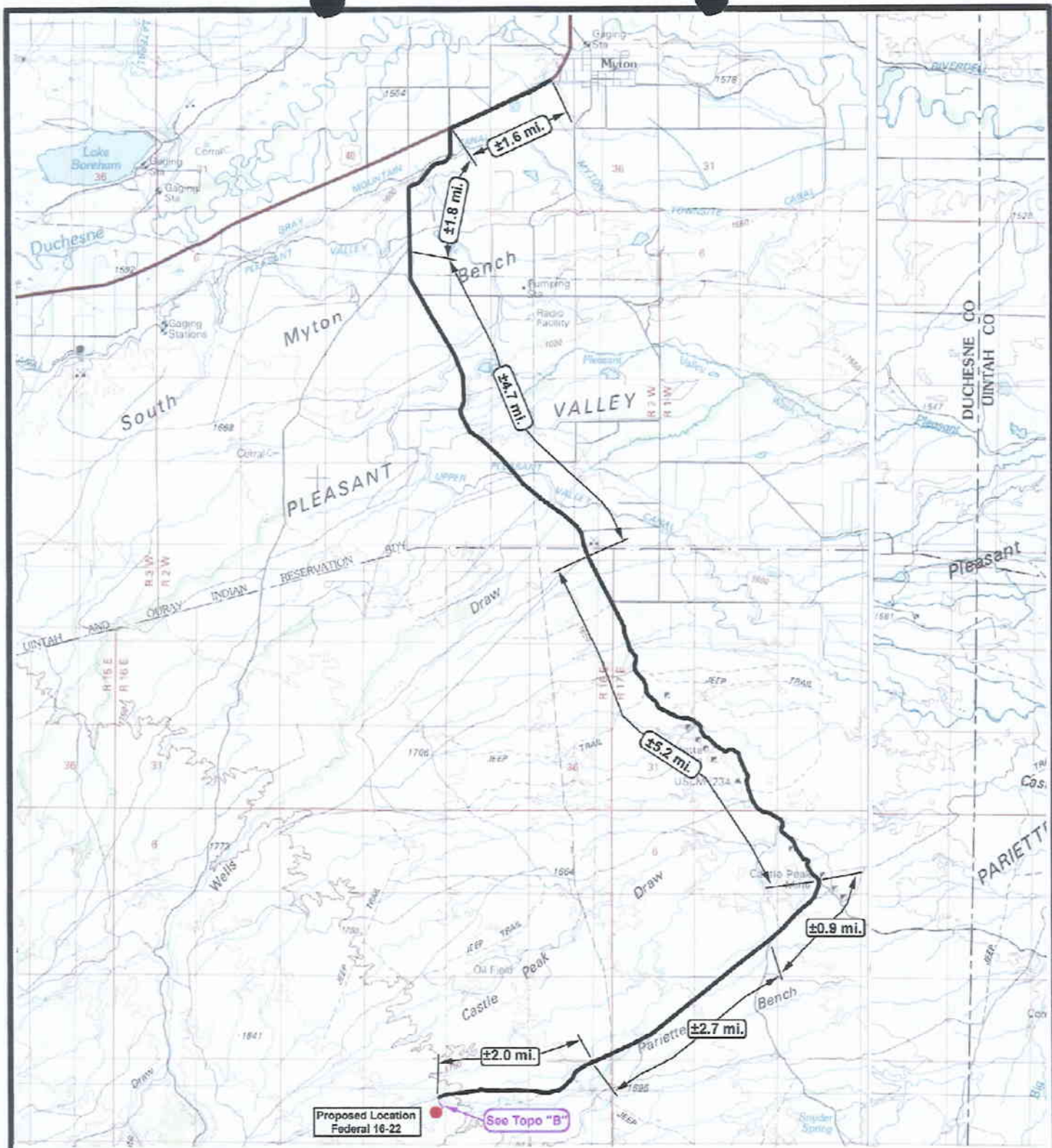
## Draining Phase:

- 1) Valves 1 and 6 open



## Legend

Emulsion Line	.....
Load Line	-----
Water Line	-----
Oil Line	-----
Gas Sales	-----



**NEWFIELD**  
Exploration Company

**Federal 16-22-9-16**  
**SEC. 22, T9S, R16E, S.L.B.&M.**  
**Pad Location: NESE, T9S, R16E S.L.B.&M.**



(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 = 100,000

DRAWN BY: mw

DATE: 04-24-2006

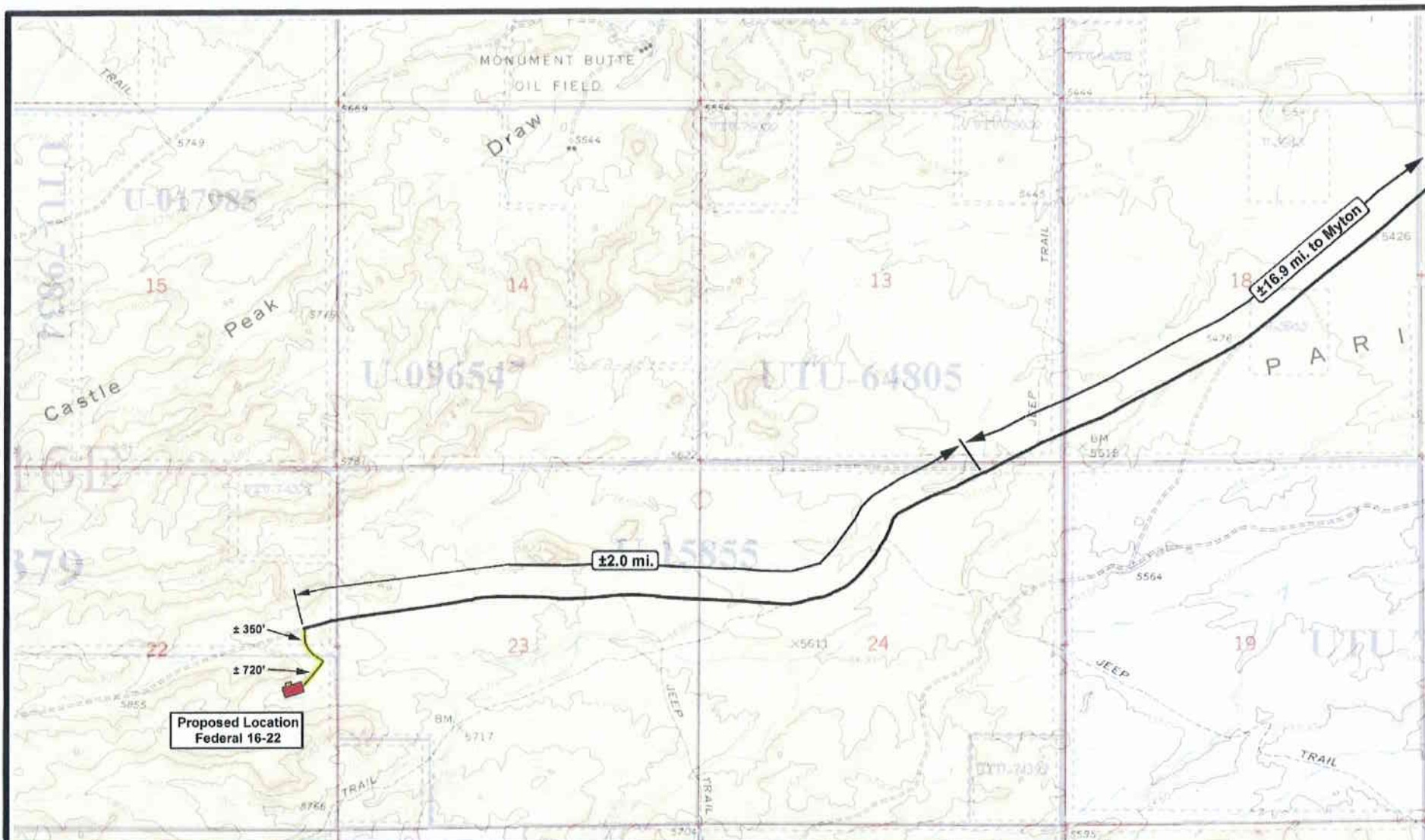
**Legend**


— Existing Road  
— Proposed Access

TOPOGRAPHIC MAP

**"A"**





 **NEWFIELD**  
Exploration Company



**Federal 16-22-9-16**  
**SEC. 22, T9S, R16E, S.L.B.&M.**  
**Pad Location: NESE, T9S, R16E S.L.B.&M.**



 **Tri-State**  
Land Surveying Inc.  
(435) 781-2601  
180 North Vernal Ave. Vernal, Utah 84078

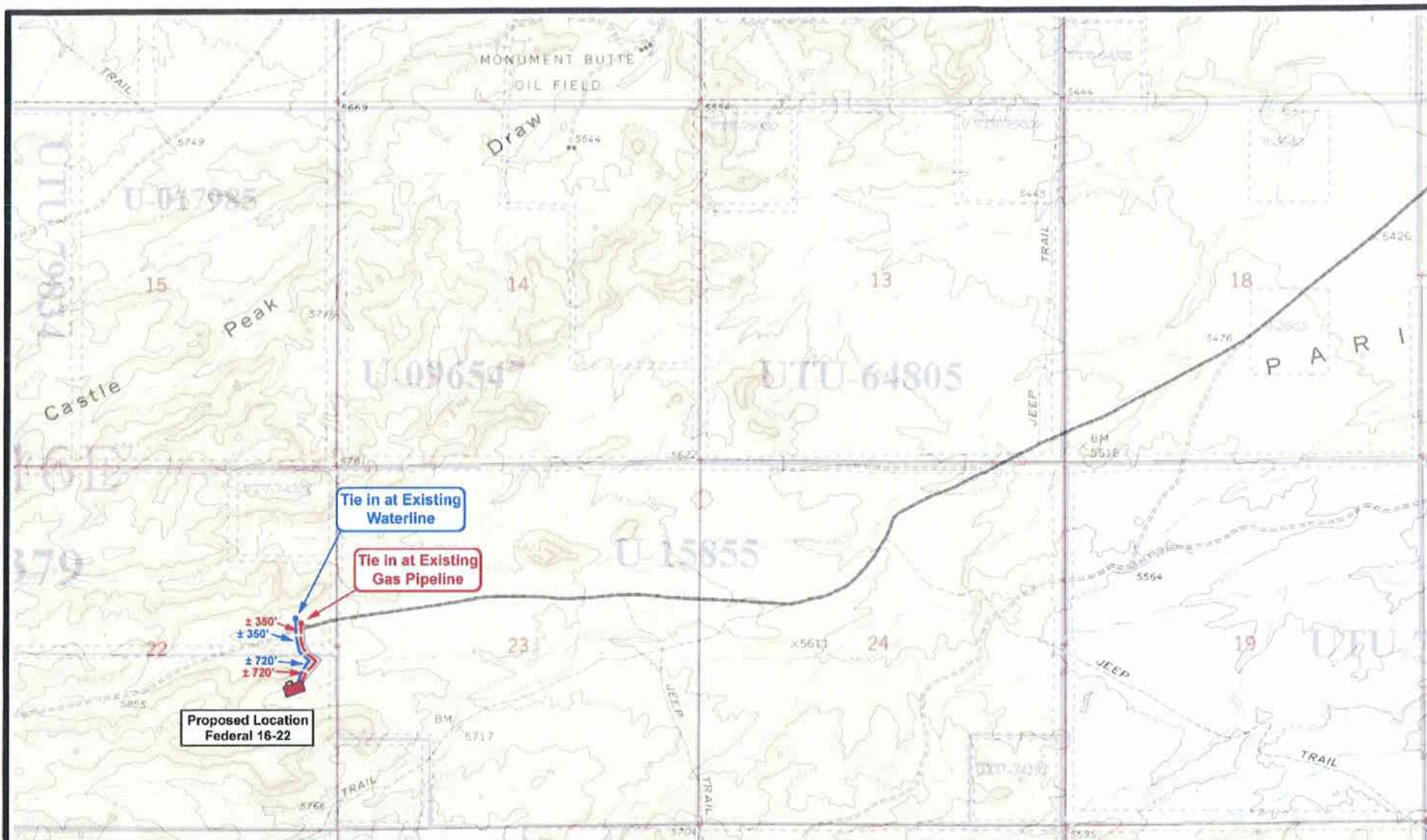
SCALE: 1" = 2,000'  
DRAWN BY: mw  
DATE: 4-24-2006

**Legend**

 Existing Road  
 Proposed Access

**TOPOGRAPHIC MAP**

**"B"**



**NEWFIELD**  
Exploration Company

**Federal 16-22-9-16**  
**SEC. 22, T9S, R16E, S.L.B.&M.**  
Pad Location: NESE, T9S, R16E S.L.B.&M.

**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
DRAWN BY: mw  
DATE: 04-24-2006

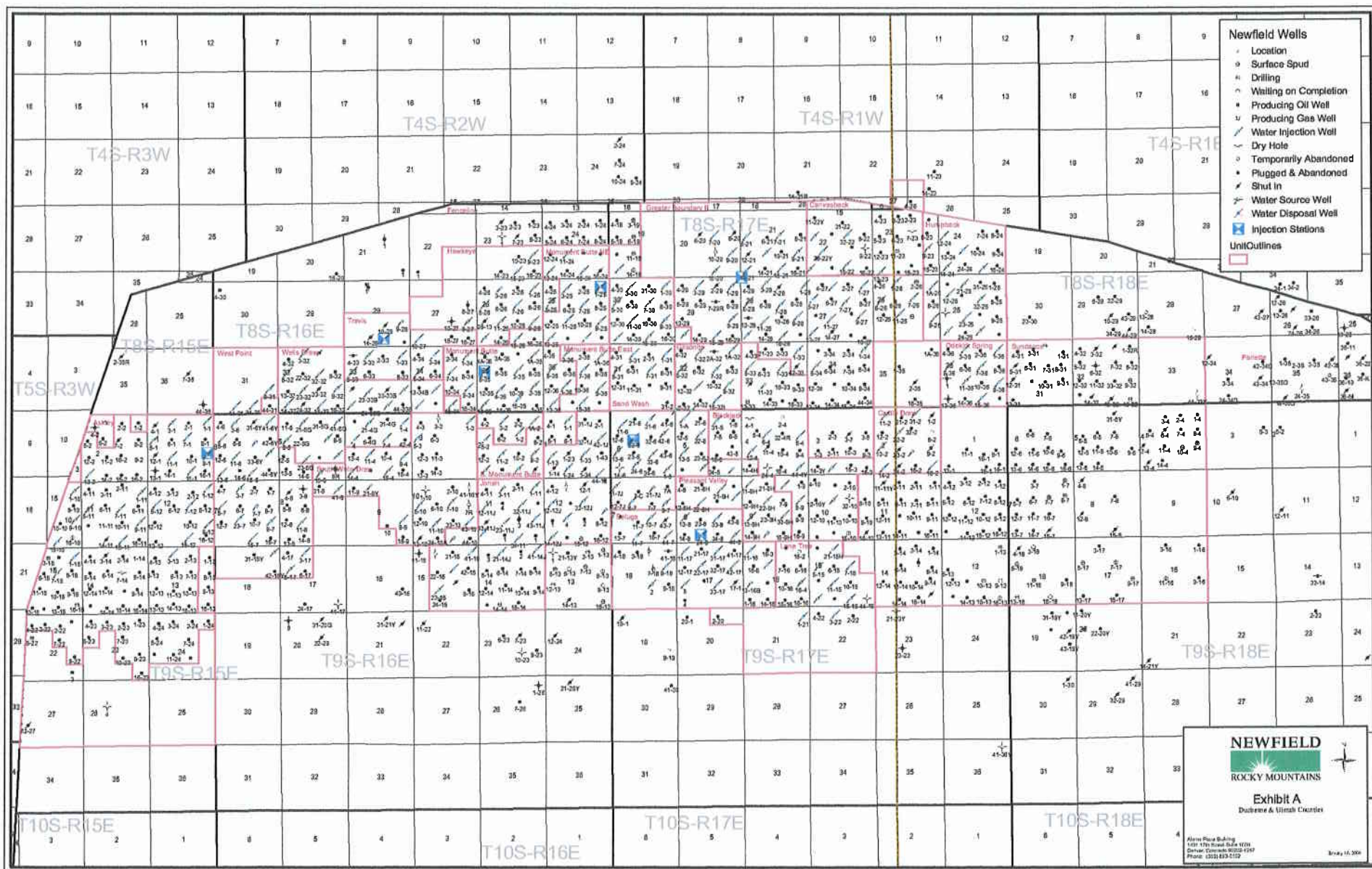
**Legend**

- Roads
- Proposed Gas Line
- Proposed Water Line

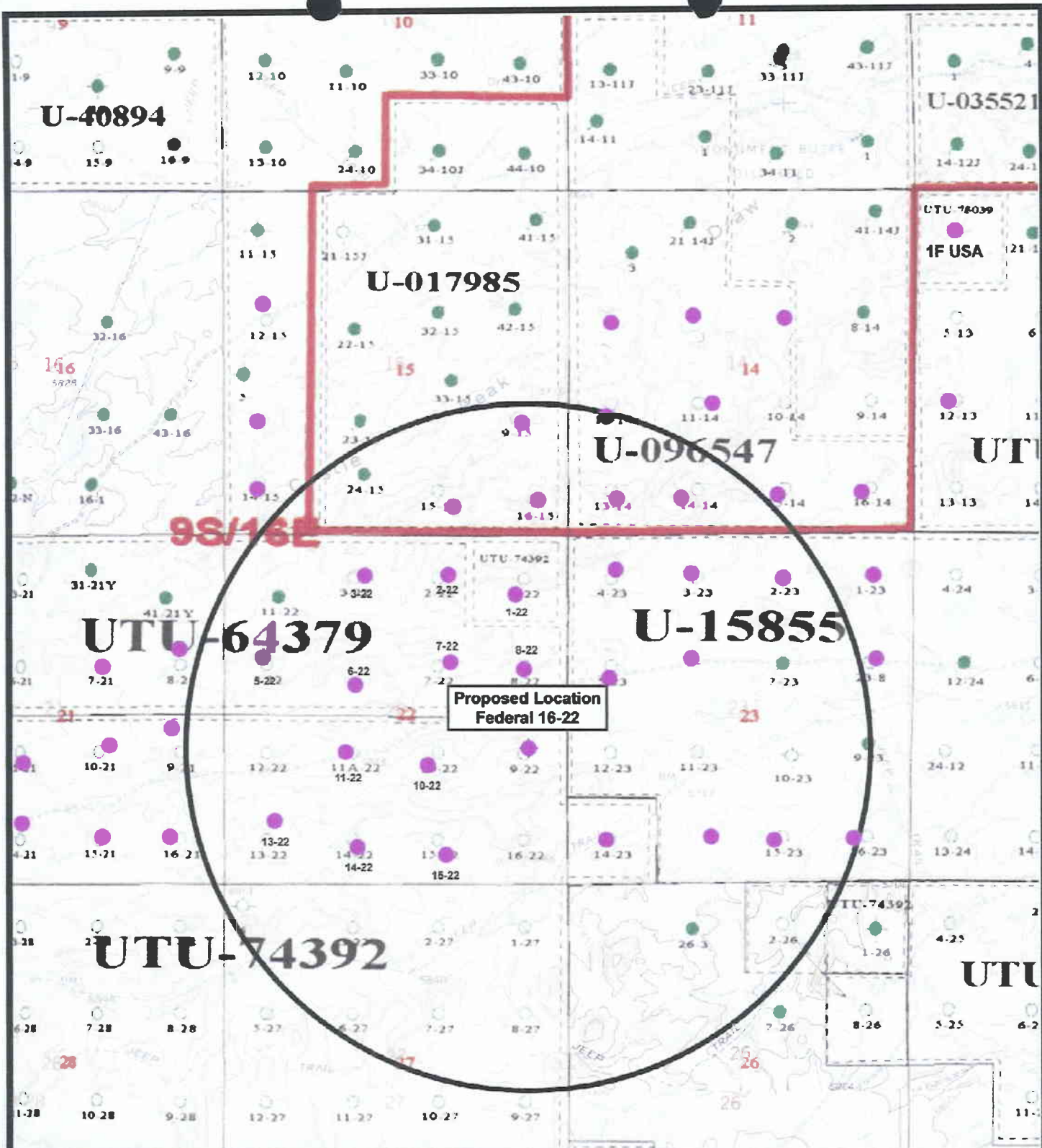
**TOPOGRAPHIC MAP**

**"C"**










**Proposed Location  
Federal 16-22**



**NEWFIELD**  
Exploration Company

**Federal 16-22-9-16**  
**SEC. 22, T9S, R16E, S.L.B.&M.**  
**Pad Location: NESE, T9S, R16E S.L.B.&M.**





**Tri-State**  
*Land Surveying Inc.*  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'

DRAWN BY: mw

DATE: 04-24-2006

**Legend**

● Location

○ One-Mile Radius

**Exhibit "B"**

# 2-M SYSTEM

Blowout Prevention Equipment Systems

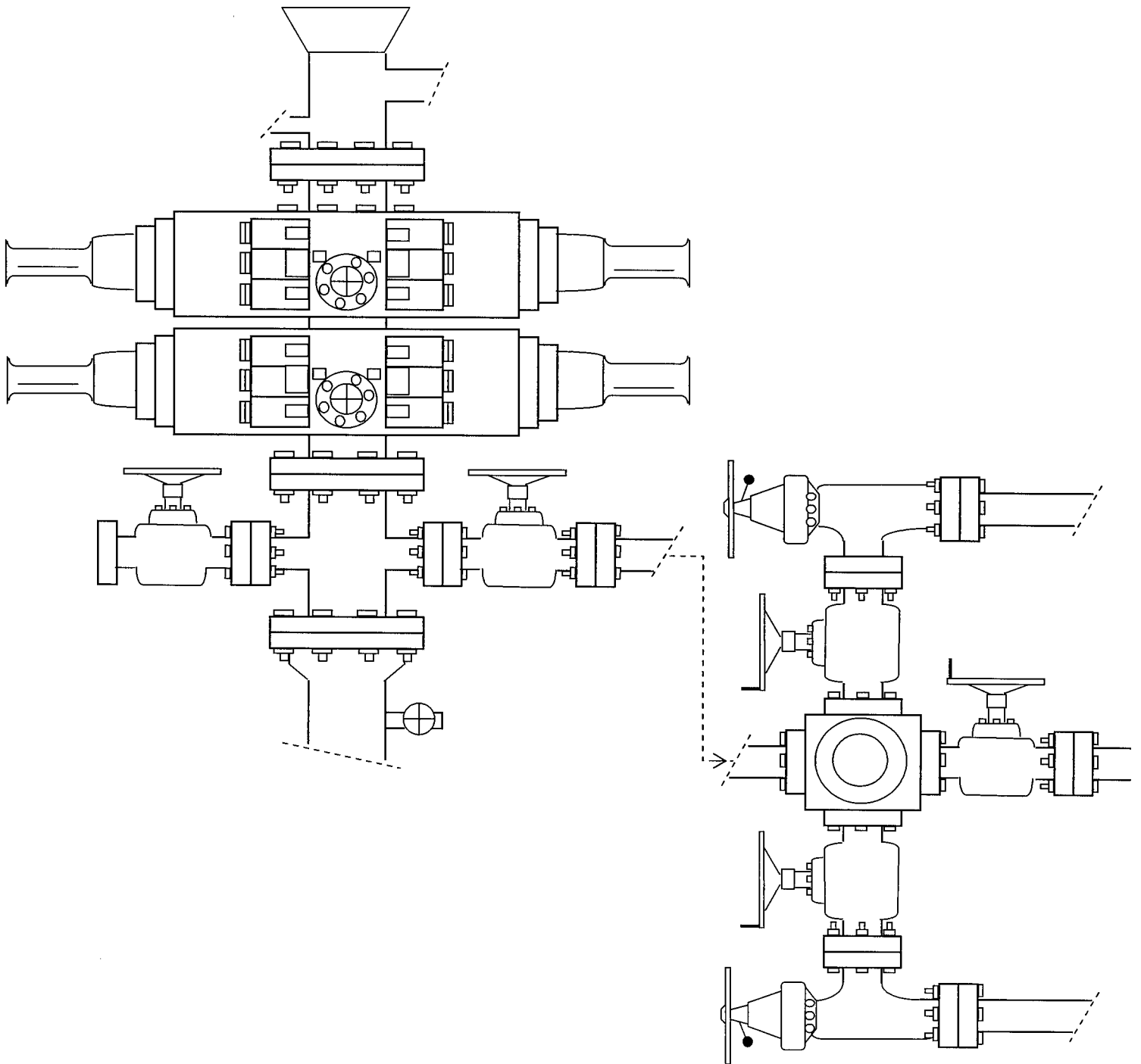


EXHIBIT C

Exhibit "D"  
page 1 of 2

CULTURAL RESOURCE INVENTORY OF  
NEWFIELD EXPLORATION'S BLOCK PARCEL  
IN TOWNSHIP 9S, RANGE 16E, SECTION 21 and 22,  
DUCHESNE COUNTY, UTAH

By:

Katie Simon

Prepared For:

Bureau of Land Management  
Vernal Field Office

Prepared Under Contract With:

Newfield Exploration Company  
Rt. 3 Box 3630  
Myton, UT 84052

Prepared By:

Montgomery Archaeological Consultants, Inc.  
P.O. Box 147  
Moab, Utah 84532

MOAC Report No. 05-240

July 25, 2005

United States Department of Interior (FLPMA)  
Permit No. 05-UT-60122

State of Utah Antiquities Project (Survey)  
Permit No. U-05-MQ-0709b

**NEWFIELD PRODUCTION COMPANY**

**PALEONTOLOGICAL FIELD SURVEY OF PROPOSED  
PRODUCTION DEVELOPMENT AREAS,  
DUCHESNE COUNTY, UTAH**

SW 1/4, SE 1/4, and SW 1/4, Section 9 [9,11,12,13 & 14-9-9-16]; Entire Section 22 (excluding NE 1/4, NE 1/4 & NW 1/4, NW 1/4) [2,3,5 through 16-9-9-16]; Entire Section 23 (excluding SE 1/4, NW 1/4, SW 1/4, NE 1/4, NE 1/4 & NW 1/4, SE 1/4) [1 through 5, 8,11 through 16-9-9-16]; Entire Section 24 (excluding SW 1/4, NW 1/4) [1 through 4, 6 through 16-9-9-16] all in Township 9 South, Range 16 East

**REPORT OF SURVEY**

Prepared for:

**Newfield Production Company**

Prepared by:

Wade E. Miller  
Consulting Paleontologist  
September 28, 2005

**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 10/25/2006

API NO. ASSIGNED: 43-013-33394

WELL NAME: FEDERAL 16-22-9-16

OPERATOR: NEWFIELD PRODUCTION ( N2695 )

PHONE NUMBER: 435-646-3721

CONTACT: MANDIE CROZIER

**PROPOSED LOCATION:**

NESE 22 090S 160E

SURFACE: 2068 FSL 0649 FEL

BOTTOM: 0659 FSL 0664 FEL

COUNTY: DUCHESNE

LATITUDE: 40.01478 LONGITUDE: -110.0977

UTM SURF EASTINGS: 577005 NORTHINGS: 4429577

FIELD NAME: MONUMENT BUTTE ( 105 )

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-74392

PROPOSED FORMATION: GRRV

SURFACE OWNER: 1 - Federal

COALBED METHANE WELL? NO

**RECEIVED AND/OR REVIEWED:**

☒ Plat  
☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. UTB000192 )  
☒ Potash (Y/N)  
☒ Oil Shale 190-5 (B) or 190-3 or 190-13  
☒ Water Permit  
(No. MUNICIPAL )  
☒ RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )  
☒ Fee Surf Agreement (Y/N)  
☒ Intent to Commingle (Y/N)

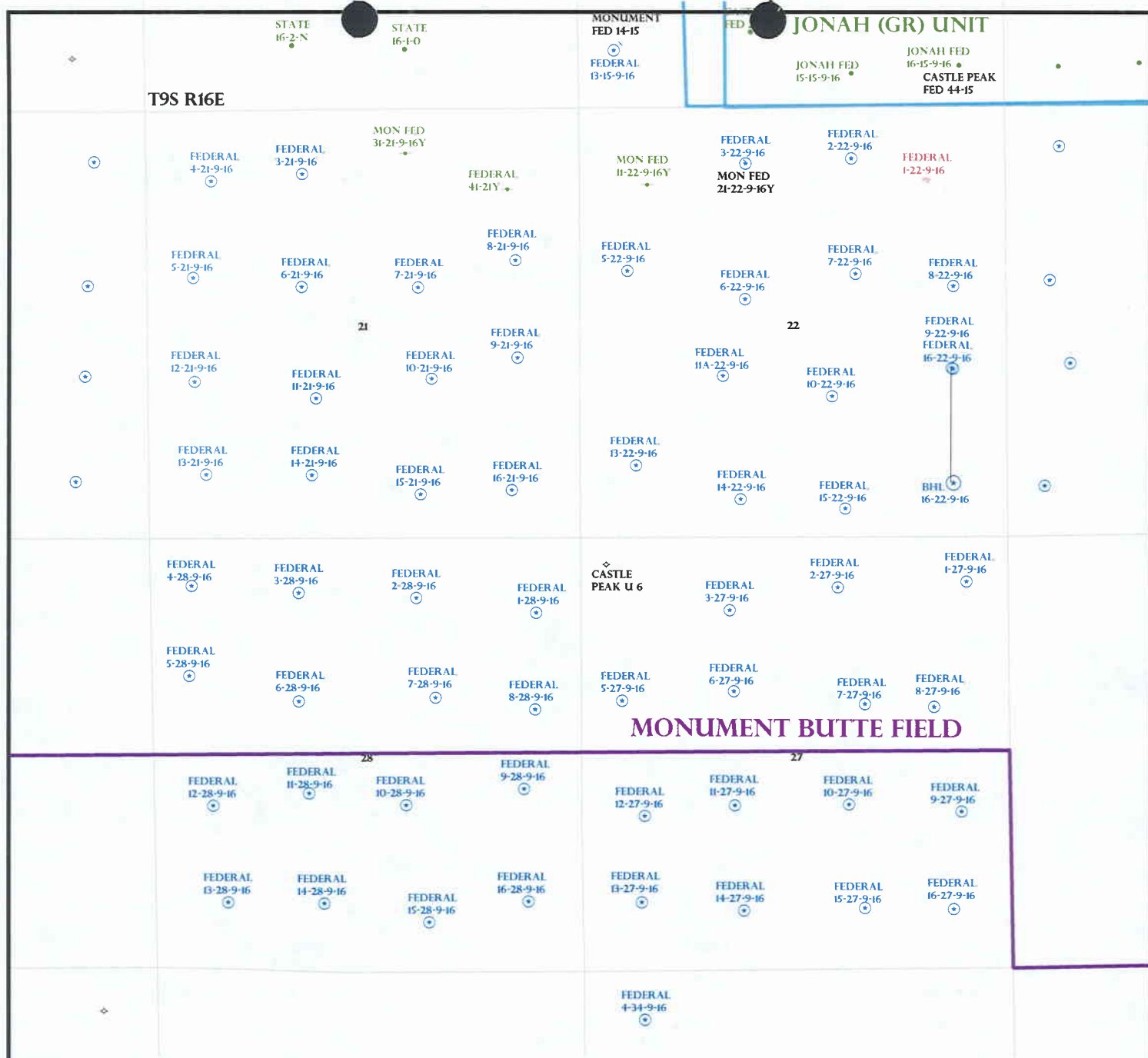
**LOCATION AND SITING:**

\_\_\_\_ R649-2-3.  
Unit: \_\_\_\_\_  
\_\_\_\_ R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells  
\_\_\_\_ R649-3-3. Exception  
\_\_\_\_ Drilling Unit  
Board Cause No: \_\_\_\_\_  
Eff Date: \_\_\_\_\_  
Siting: \_\_\_\_\_  
☒ R649-3-11. Directional Drill

COMMENTS: Sop. Separates file

STIPULATIONS:

1- Federal Approval  
2- Spacing Slip



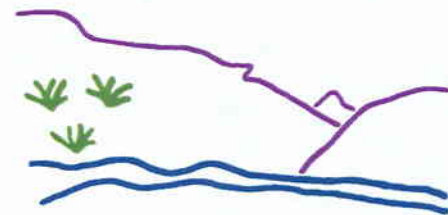
OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 22 T.9S R.16E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

SPACING: R649-3-11 / DIRECTIONAL DRILLING



Utah Oil Gas and Mining



PREPARED BY: DIANA MASON  
DATE: 30-OCTOBER-2006

"New"  
status

Form 3160-3  
(September 2001)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

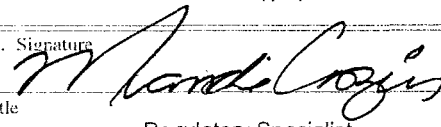
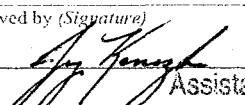
5. Lease Serial No. UTU-74392
6. If Indian, Allottee or Tribe Name N/A
7. If Unit or CA Agreement, Name and No. N/A
8. Lease Name and Well No. Federal 16-22-9-16
9. API Well No. 43-013-33394
10. Field and Pool, or Exploratory Monument Butte
11. Sec., T., R., M., or Blk. and Survey or Area N/E/SE Sec. 22, T9S R16E
12. County or Parish Duchesne
13. State UT

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		
2. Name of Operator Newfield Production Company		
3a. Address Route #3 Box 3630, Myton UT 84052		3b. Phone No. (include area code) (435) 646-3721
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface NE/SE 2068' FSL 649' FEL At proposed prod. zone SE/SE 659' FSL 664' FEL		
14. Distance in miles and direction from nearest town or post office* Approximatley 19.1 miles southwest of Myton, Utah		
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 1981' f/lse, NA f/unit	16. No. of Acres in lease 2080.00	17. Spacing Unit dedicated to this well 40 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1424'	19. Proposed Depth 6075'	20. BLM/BIA Bond No. on file UTB000192
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5800' GL	22. Approximate date work will start* 1st Quarter 2007	23. Estimated duration Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- |   |  |
|---|--|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).    |
| 2. A Drilling Plan.   | 5. Operator certification.   |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 10/24/06
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) JERRY KENCZKA	Date 3-26-2007
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED  
RECEIVED

MAR 30 2007

DIV. OF OIL, GAS & MINING

No NOS  
02PP1115A



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

**Company:** Newfield Production Company  
**Well No:** Federal 16-22-9-16  
**API No:** 43-013-33394

**Location:** NESE, Sec 22, T9S, R16E  
**Lease No:** UTU-74392  
**Agreement:** N/A

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	435-781-4490	435-828-4470
Petroleum Engineer:	Michael Lee	435-781-4432	435-828-7875
Petroleum Engineer:	James Ashley	435-781-4470	435-828-7874
Petroleum Engineer:	Ryan Angus	435-781-4430	
Supervisory Petroleum Technician:	Jamie Sparger	435-781-4502	435-828-3913
NRS/Enviro Scientist:	Paul Buhler	435-781-4475	435-828-4029
NRS/Enviro Scientist:	Karl Wright	435-781-4484	
NRS/Enviro Scientist:	Holly Villa	435-781-4404	
NRS/Enviro Scientist:	Melissa Hawk	435-781-4476	435-828-7381
NRS/Enviro Scientist:	Chuck MacDonald	435-781-4441	
NRS/Enviro Scientist:	Jannice Cutler	435-781-3400	
NRS/Enviro Scientist:	Michael Cutler	435-781-3401	
NRS/Enviro Scientist:	Anna Figueroa	435-781-3407	
NRS/Enviro Scientist:	Verlyn Pindell	435-781-3402	
NRS/Enviro Scientist:	Darren Williams	435-781-4447	
NRS/Enviro Scientist:	Nathan Packer	435-781-3405	

**After Hours Contact Number:** 435-781-4513      Fax: 435-781-4410

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a one-year period. An additional year extension may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

Location Construction (Notify NRS/Enviro Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify NRS/Enviro Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supervisory Petroleum Technician)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings
BOP & Related Equipment Tests (Notify Supervisory Petroleum Technician)	-	Twenty-Four (24) hours prior to initiating pressure tests
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days



***SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)***

**General Surface COAs**

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A report will be prepared by a BLM permitted paleontologist and submitted to the AO at the completion of surface disturbing activities.

**Specific Surface COAs**

- Lands in this lease have been identified as containing Golden Eagle habitat. Modifications to the Surface Use Plan of Operations may be required in order to protect the Golden eagle and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- Lands in this lease have been identified as containing Ferruginous Hawk habitat. Modifications to the Surface Use Plan of Operations may be required in order to protect the Golden eagle and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- All applicable local, state, and/or federal laws, regulations, and/or statutes will be complied with.
- All traffic related to this action will be restricted to approved routes. Cross-country vehicle travel will not be allowed.
- No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of three inches deep, the soil shall be deemed too wet to adequately support construction equipment.
- The access road will be crowned and ditched. Flat-bladed roads are not allowed.
- If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. will be needed to control the erosion.
- Low-water crossings will be appropriately constructed to avoid sedimentation of drainage ways and other water resources.
- Pipelines will be buried at all major drainage crossings.
- Prevent fill and stock piles from entering drainages.
- The reserve pit will be lined with a 12 ml or greater liner and felt prior to spudding.
- The liner is to be cut 5 feet below ground surface or at the level of the cuttings, whichever is

deeper, and the excess liner material is to be disposed of at an authorized disposal site.

- When the reserve pit contains fluids or toxic substances, the operator must ensure animals do not ingest or become entrapped in pit fluids.
- If paleontologic or cultural materials are uncovered during construction, the operator shall immediately stop work that might further disturb or move such materials and contact the Authorized Officer (AO) within 48 hours. A determination will be made by the AO as to necessary mitigation for the discovered paleontologic/cultural material.
- If Uinta Basin hookless cactus or other special status plants are found, construction will cease and the AO will be notified to determine the appropriate mitigation.

The interim seed mix for this location shall be:

Western Wheat grass	( <i>Agropyron smithii</i> )	6 lbs/acre
Galleta Grass	( <i>Hilaria jamesii</i> )	6 lbs/acre

All pounds are in pure live seed.  
Rates are set for drill seeding; double the rate if broadcasting.  
Reseeding may be required if initial seeding is not successful.

- The operator will be responsible for treatment and control of invasive and noxious weeds.
- The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be seeded in the same manner as the location topsoil.
- Once the location is plugged and abandoned, it shall be recontoured to natural topology, topsoil shall be respread, and the entire location shall be seeded with a seed mix recommended by the AO (preferably of native origin). Seed application will follow all guidelines in the interim seed mix bullet statement above. If reclamation seeding should take place using the broadcast method, the seed at a minimum will be walked into the soil with a dozer immediately after the seeding is completed.
- The authorized officer may prohibit surface disturbing activities during severe winter conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- The authorized officer may prohibit surface disturbing activities during wet or muddy conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- All well facilities not regulated by OSHA will be painted Olive Black.
- All boulders with a length or diameter greater than 3 feet, that are found showing at the surface, will be stockpiled for use during final reclamation.
- Notify the Authorized Officer 48 hours prior to surface disturbing activities.

## **DOWNHOLE CONDITIONS OF APPROVAL**

### **SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL**

- A complete set of angular deviation and directional surveys of this directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

### **DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or

data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.



May 2, 2007

Ms. Diana Mason  
Utah Division of Oil, Gas and Mining  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

Re: Directional Drilling R649-3-11  
Federal 16-22-9-16  
Sec. 22-9S-16E  
UTU-74392  
Duchesne County, Utah

Dear Ms. Mason:

Pursuant to the filing of Newfield Production Company's (hereinafter "NPC") Application for Permit to Drill dated 10/24/2006 (copy enclosed herewith) which concerns the well described below, NPC is hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to Directional Drilling.

Federal 16-22-9-16  
Lease UTU-74392  
2068' FSL, 649' FEL (surface) NESE Sec. 22-9S-16E  
659' FSL, 664' FEL (bottomhole) SESE Sec. 22-9S-16E

This drillsite location is located on Federal Lease #UTU-74392. NPC is permitting this well as a directional well in order to minimize surface disturbance. By locating the well at the surface location described and directionally drilling from this location, NPC will be able to utilize the existing roads and pipelines in the area.

Furthermore, NPC, Yates Petroleum Corporation, Yates Drilling Company, Myco Industries, Inc. and Abo Petroleum Corporation are the only working interest owners within 460 feet of the entire directional well bore as well as the entire Federal Lease #UTU-74392. Yates, et al has provided their consent to the location, and a copy of the consent is attached hereto.

Therefore, based on the above stated information NPC requests the permit be granted pursuant to R649-3-11. Thank you for your consideration in this matter.

Sincerely,

A handwritten signature in cursive script that reads "Marie Liley".

Marie Liley  
Land Associate

**RECEIVED**  
**MAY 04 2007**

**DIV. OF OIL, GAS & MINING**

04/18/2007 14:01

3033824454

NEWFIELD ROCKY MTNS

PAGE 03

Fax to: 303-893-0103  
Newfield Production Company  
Attn: Rhonda Deimer

**Exception Locations:**

Federal 16-22-9-16

UTU-74392, Duchesne County, Utah

Please be advised that Yates Petroleum Corporation, Yates Drilling Company, Myco Industries, Inc. and Abo Petroleum Corporation do not have an objection to the proposed locations of the aforementioned wells.

By: Ernest L. CarrollDate: 4-24-07

ERNEST L. CARROLL Senior Landman  
Print Name and Title



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

5. Lease Serial No.

UTU-74392

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA Agreement, Name and No.

N/A

8. Lease Name and Well No.

Federal 16-22-9-16

9. API Well No.

10. Field and Pool, or Exploratory  
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area

SE/SE Sec. 22, T9S R10E

12. County or Parish

Duchesne

13. State

UT

1a. Type of Work: ☒ DRILL ☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

2. Name of Operator

Newfield Production Company

3a. Address

Route #3 Box 3630, Myton UT 84052

3b. Phone No. (include area code)

(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)

At surface NE/SE 2068' FSL 649' FEL

At proposed prod. zone SE/SE 659' FSL 664' FEL

14. Distance in miles and direction from nearest town or post office\*

Approximately 19.1 miles southwest of Myton, Utah

15. Distance from proposed\*  
location to nearest  
property or lease line, ft.  
(Also to nearest drig. unit line, if any) Approx. 1961' Mee, NA if unit

16. No. of Acres in lease

2080.00

17. Spacing Unit dedicated to this well

40 Acres

18. Distance from proposed location\*  
to nearest well, drilling, completed,  
applied for, on this lease, ft.

Approx. 1424'

19. Proposed Depth

6075'

20. BLM/BIA Bond No. on file

UTB000192

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

5800' GL

22. Approximate date work will start\*

1st Quarter 2007

23. Estimated duration

Approximately seven (7) days from start to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature

Title

Regulatory Specialist

Name (Printed/Typed)

Mandie Crozier

Date

10/24/06

Approved by (Signature)

Name (Printed/Typed)

Date

Title

Office

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

RECEIVED

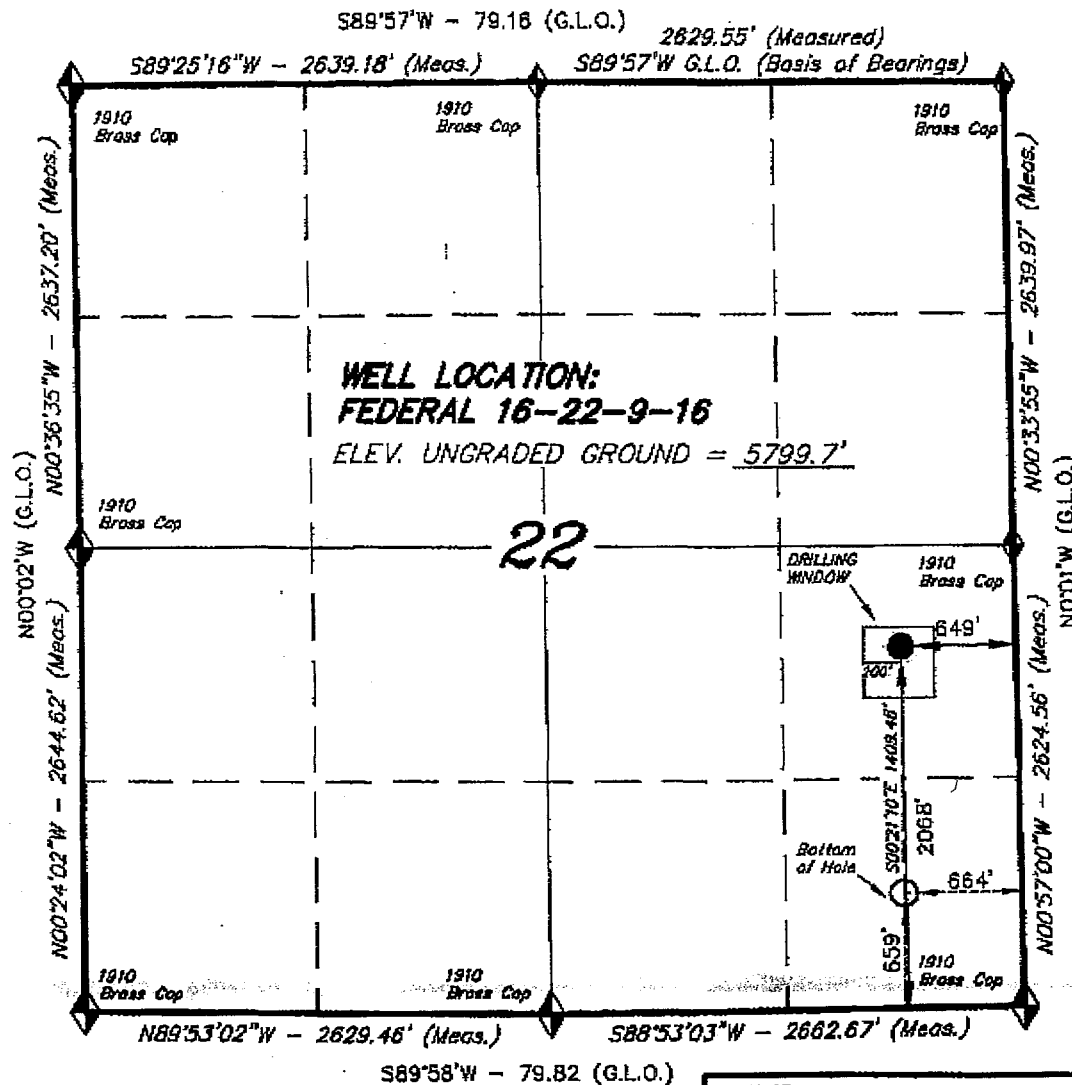
MAY 04 2007

DIV. OF OIL, GAS & MINING

**T9S, R16E, S.L.B.&M.**

**NEWFIELD PRODUCTION COMPANY**

WELL LOCATION, FEDERAL 16-22-9-16  
THE TOP OF HOLE LOCATED AS SHOWN  
IN THE NE 1/4 SE 1/4, THE BOTTOM  
HOLE LOCATED AS SHOWN IN THE SE  
1/4 SE 1/4 OF SECTION 22, T9S, R16E,  
S.L.B.&M. DUCHESNE COUNTY, UTAH.



**WELL LOCATION:  
FEDERAL 16-22-9-16**

ELEV. UNGRADED GROUND =  $5799.7'$

**22**

DRILLING  
WINDOW

1910  
Brass Cap

Bottom  
of Hole

1910  
Brass Cap

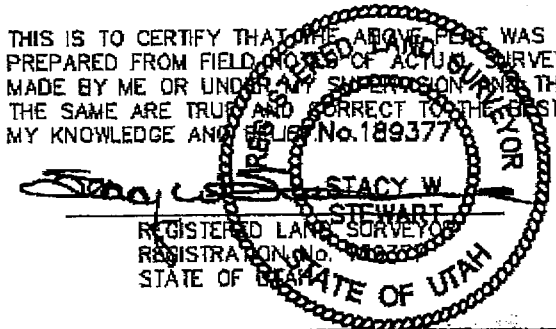
◆ = SECTION CORNERS LOCATED

BASIS OF ELEV;  
U.S.G.S. 7-1/2 min QUAD (MYTON SE)

**FEDERAL 16-22-9-16**  
(Surface Location) NAD 83  
LATITUDE =  $40^{\circ} 00' 53.27''$   
LONGITUDE =  $110^{\circ} 05' 54.15''$



THIS IS TO CERTIFY THAT THE ABOVE PLOT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF No. 189377



**TRI STATE LAND SURVEYING & CONSULTING**  
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

DATE SURVEYED: 04-11-06	SURVEYED BY: C.M.
DATE DRAWN: 04-20-06	DRAWN BY: F.T.M.
REVISED: 06-15-06 F.T.M.	SCALE: 1" = 1000'





**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

May 7, 2007

Newfield Production Company  
Rt. #3, Box 3630  
Myton, UT 84052

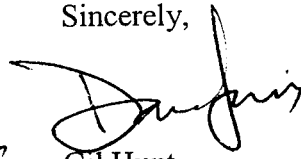
Re: Federal 16-22-9-16 Well, Surface Location 2068' FSL, 649' FEL, NE SE,  
Sec. 22, T. 9 South, R. 16 East, Bottom Location 659' FSL, 664' FEL, SE SE,  
Sec. 22, T. 9 South, R. 16 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-33394.

Sincerely,

  
Gil Hunt  
Associate Director

pab  
Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal Office

Operator: Newfield Production Company  
Well Name & Number Federal 16-22-9-16  
API Number: 43-013-33394  
Lease: UTU-74392

Surface Location: NE SE Sec. 22 T. 9 South R. 16 East  
Bottom Location: SE SE Sec. 22 T. 9 South R. 16 East

### Conditions of Approval

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### 2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281

#### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.
5. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.
6. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

## DIVISION OF OIL, GAS AND MINING

### ***SPUDDING INFORMATION***

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: FEDERAL 16-22-9-16

Api No: 43-013-33394 Lease Type: FEDERAL

Section 22 Township 09S Range 16E County DUCHESNE

Drilling Contractor NDSI RIG # NS#1

### **SPUDDED:**

Date 08/27/07

Time 12:00 NOON

How DRY

***Drilling will Commence:*** \_\_\_\_\_

Reported by DELL RAY

Telephone # \_\_\_\_\_

Date 08/27/07 Signed CHD

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY  
ADDRESS: RT. 3 BOX 3530  
MYTON, UT 84052

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	12417	4301333290	LONE TREE FED 5-21-9-17	SWNW	21	9S	17E	DUCHESNE	8/22/2007	8/28/07
WELL 1 COMMENTS: <i>GRUV Unit</i>											
B	99999	12417	4301333289	LONE TREE FED 6-21-9-17	SENW	21	9S	17E	DUCHESNE	8/23/2007	8/28/07
WELL 2 COMMENTS: <i>GRUV</i>											
	99999	16325	4301332770	ASHLEY 4-27-9-15	NWNW	27	9S	15E	DUCHESNE	8/25/2007	8/28/07
WELL 3 COMMENTS: <i>MNCS</i>											
A	99999	16326	4301333189	FEDERAL 2-19-9-17	NWNE	19	9S	17E	DUCHESNE	8/28/2007	8/28/07
WELL 4 COMMENTS: <i>GRUV</i>											
A	99999	16327	4301333394	FEDERAL 16-22-9-16	NESE	22	9S	16E	DUCHESNE	8/27/2007	8/28/07
WELL 5 COMMENTS: <i>GRUV</i>											
A	99999	16328	4301333174	FEDERAL 5-19-9-16	SWNW	19	9S	16E	DUCHESNE	8/29/2007	8/28/07
WELL 6 COMMENTS: <i>GRUV</i>											

ACTION CODES (See instructions on back of form)

- A - 1 new entity for new well (single well only)
- B - well to existing entity (group or unit well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - shut (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

*[Signature]* Jentri Park  
Signature  
Production Clerk August 29, 2007  
Date

DIV. OF OIL, GAS & MINING

AUG 28 2007

RECEIVED



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone (include area code)

435 646 3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2068 FSL 649 FEL

NESE Section 22 T9S R16E

5. Lease Serial No.

USA UTU-74392

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

8. Well Name and No.

FEDERAL 16-22-9-16

9. API Well No.

4301333394

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Spud Notice _____
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 8/27/07 MIRU NDSI NS#1. Spud well @ 12:00pm. Drill 310' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 305.61' On 8/31/07 cement with 160 sks of class "G" w/ 3% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 6 bbls cement to pit. WOC.

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Don Bastian

Signature

Title

Drilling Foreman

Date

08/31/2007

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

RECEIVED

SEP 06 2007

DIV. OF OIL, GAS & MINING

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 305.61

LAST CASING 8 5/8" SET AT 305.61'  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 310' LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4

OPERATOR NewField Production Company  
 WELL Federal 16-22-9-16  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # NDSI NS #1

**LOG OF CASING STRING:**

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Shoe Joint 39.84'					
		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	293.76
		GUIDE shoe			8rd	A	0.9
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			295.61
TOTAL LENGTH OF STRING		295.61	7	LESS CUT OFF PIECE			2
LESS NON CSG. ITEMS		1.85		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		0		CASING SET DEPTH			305.61
TOTAL		293.76	7	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		293.84	7				
TIMING		1ST STAGE					
BEGIN RUN CSG.		Spud 8/27/2007	12:00PM	GOOD CIRC THRU JOB			Yes
CSG. IN HOLE		8/28/2007	8:30 AM	Bbls CMT CIRC TO SURFACE			6
BEGIN CIRC		8/31/2007	9:15 AM	RECIPROCATED PIPE FOR			THRU FT STROKE
BEGIN PUMP CMT		8/31/2007	9:24 AM				N/A
BEGIN DSPL. CMT		8/31/2007	9:38 AM	BUMPED PLUG TO			120 PSI
PLUG DOWN		8/31/2007	9:53 AM				
CEMENT USED		CEMENT COMPANY- B. J.					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	160	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield					
CENTRALIZER & SCRATCHER PLACEMENT			SHOW MAKE & SPACING				
Centralizers - Middle first, top second & third for 3							

COMPANY REPRESENTATIVE Don Bastian DATE 8/31/2007

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.



1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone (include area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
2068 FSL 649 FEL  
NESE Section 22 T9S R16E

5. Lease Serial No.  
USA UTU-74392

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

8. Well Name and No.  
FEDERAL 16-22-9-16

9. API Well No.  
4301333394

10. Field and Pool, or Exploratory Area  
MONUMENT BUTTE

11. County or Parish, State  
DUCHESNE, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report _____
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

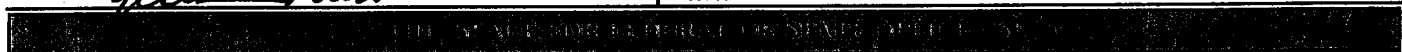
9/14/07  
On 8/6/07 MIRU NDSI Rig # 2. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 265'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6,075' & TVD 5820'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 151 jt's of 5.5 J-55, 15.5# csgn. Set @ 6051.01' / KB. Cement with 350 sks cement mixed @ 11.0 ppg & 3.49 yld. Then 500 sks cement mixed @ 14.4 ppg & 1.24 yld. With 44 bbls cement returned to pit. Nipple down Bop's. Drop slips @ 100,000 #'s tension. Release rig 4:30 PM 9/14/07.

RECEIVED

SEP 19 2007

DIV. OF OIL, GAS & MINING

I hereby certify that the foregoing is true and correct (Printed/ Typed) Alvin Nielsen	Title Drilling Foreman
Signature 	Date 09/15/2007



Approved by _____	Title _____	Date _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office _____	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 6051.01

Flt cllr @ 6036.31

LAST CASING 8 5/8" SET # 305.61'

OPERATOR Newfield Production Company

DATUM 12' KB

WELL Federal 16-22-9-16

DATUM TO CUT OFF CASING 12'

FIELD/PROSPECT Monument Butte

DATUM TO BRADENHEAD FLANGE \_\_\_\_\_

CONTRACTOR & RIG # NDSI #2

TD DRILLER 6075' Loggers 6065'

TVD= 5820'

HOLE SIZE 7 7/8"

## LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH	
		Landing Jt					14	
		Short jt 3651' (6.20')						
151	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	6022.31	
		Float collar					0.6	
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	15.45	
		GUIDE shoe			8rd	A	0.65	
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING				6053.01
TOTAL LENGTH OF STRING		6053.01	152	LESS CUT OFF PIECE				14
LESS NON CSG. ITEMS		15.25		PLUS DATUM TO T/CUT OFF CSG				12
PLUS FULL JTS. LEFT OUT		79.05	2	CASING SET DEPTH				6051.01
TOTAL		6116.81	154	} COMPARE				
TOTAL CSG. DEL. (W/O THRDS)		6116.81	154					
TIMING		1ST STAGE	2nd STAGE					
BEGIN RUN CSG.		9/14/2007	4:00 AM	GOOD CIRC THRU JOB				YES
CSG. IN HOLE		9/14/2007	8:00 AM	Bbls CMT CIRC TO SURFACE				44
BEGIN CIRC		9/14/2007	8:00 AM	RECIPROCATED PIPE FOR				THRUSTROKE NA
BEGIN PUMP CMT		9/14/2007	10:16 AM	DID BACK PRES. VALVE HOLD ?				YES
BEGIN DSPL. CMT		9/14/2007	11:20 AM	BUMPED PLUG TO				2150 PSI
PLUG DOWN		9/14/2007	11:47 AM					
CEMENT USED		CEMENT COMPANY- B. J.						
STAGE	# SX	CEMENT TYPE & ADDITIVES						
1	350	Premlite II w/ 10% gel + 3 % KCL, 3#s /sk CSE + 2# sk/kolseal + 1/2#s/sk Cello Flake						
		mixed @ 11.0 ppg W / 3.49 cf/sk yield						
2	525	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD						
CENTRALIZER & SCRATCHER PLACEMENT			SHOW MAKE & SPACING					
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.								

COMPANY REPRESENTATIVE Alvin Nielsen

DATE 9/14/2007

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 6

**ENTITY ACTION FORM**Operator: Wolverine Gas and Oil Company of Utah, LLCOperator Account Number: N 1655Address: 55 Campau NW, One Riverfront Plazacity Grand Rapidsstate MIzip 49503-2616Phone Number: (616) 458-1150**Well 1**

API Number	Well Name	Sec	Sec	Twp	Rng	County
4303930030	Wolverine Federal Arapien Valley 24-1	SWNW	24	20S	1E	Sanpete
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
A	99999	16417	10/3/2007	10/17/07		
Comments: <u>set conductor 10/3/2007; projected drlg rig move in 11/15/2007</u> <u>N:7VA</u>						

**CONFIDENTIAL****Well 2**

API Number	Well Name	Sec	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
Comments:						

**Well 3**

API Number	Well Name	Sec	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
Comments:						

**ACTION CODES:**

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Steven R Hash - EXACT Engineering Inc

Name (Please Print)

Steven R. Hash

Signature

Engineering Consultant

10/3/2007

Title

Date

(5/2000)

**RECEIVED****OCT 03 2007**

DIV. OF OIL, GAS &amp; MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2068 FSL 649 FEL

NESE Section 22 T9S R16E

5. Lease Serial No.

USA UTU-74392

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

8. Well Name and No.

FEDERAL 16-22-9-16

9. API Well No.

4301333394

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input checked="" type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Formation water is produced to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY**

I hereby certify that the foregoing is true and  
correct (Printed/ Typed)

Mandie Crozier

Signature

Title

Regulatory Specialist

Date

10/11/2007

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or  
certify that the applicant holds legal or equitable title to those rights in the subject lease  
which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United  
States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

**RECEIVED**

**OCT 12 2007**

DIV. OF OIL, GAS & MIN.

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-74392
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 2068 FSL 649 FEL		8. WELL NAME and NUMBER: FEDERAL 16-22-9-16
OTR/OTR SECTION. TOWNSHIP. RANGE. MERIDIAN: NESE, 22, T9S, R16E		9. API NUMBER: 4301333394
		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
		COUNTY: DUCHESNE
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 10/30/2007	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well was completed on 10/10/07, attached is a daily completion status report.

NAME (PLEASE PRINT) Jentri Park TITLE Production Clerk  
SIGNATURE DATE 10/30/2007

(This space for State use only)

RECEIVED

NOV 09 2007

DIV. OF OIL, GAS & MINING



**Daily Activity Report**

Format For Sundry

**FEDERAL 16-22-9-16****8/1/2007 To 12/30/2007****10/3/2007 Day: 1****Completion**

Rigless on 10/2/2007 - Instal 5K frac head. NU 6" 5K Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5993' & cement top @ 39'. Perforate stage #1, A1 sds @ 5035-71' w/ 3-1/8" Slick Guns (19 gram, .49"HE, 120°) w/ 4 spf for total of 144 shots. 143 bbls EWTR. SIFN.

**10/6/2007 Day: 2****Completion**

Rigless on 10/5/2007 - Stage #1 A1 sds. RU BJ Services. 10 psi on well. Frac A1 sds w/ 140,366#'s of 20/40 sand in 1008 bbls of Lightning 17 fluid. Broke @ 2849 psi. Treated w/ ave pressure of 1851 psi w/ ave rate of 24.8 BPM. ISIP 2081 psi. Leave pressure on well. 1151 BWTR. Stage #2 A.5 sds. RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 5' perf gun. Set plug @ 5010'. Perforate A.5 sds @ 4964-69' w/ 3-1/8" Slick Guns (.37"EH, 23 gram, 90°) w/ 4 spf for total of 20 shots. RU BJ Services. 1566 psi on well. Frac A.5 sds w/ 15,004#'s of 20/40 sand in 274 bbls of Lightning 17 fluid. Broke @ 3458 psi. Treated w/ ave pressure of 2605 psi w/ ave rate of 24.8 BPM. ISIP 1909 psi. Leave pressure on well. 1425 BWTR. Stage #3 B2 sds. RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 7' perf gun. Set plug @ 4920'. Perforate B2 sds @ 4860-67' w/ 3-1/8" Slick Guns (.37"EH, 23 gram, 90°) w/ 4 spf for total of 28 shots. RU BJ Services. 1528 psi on well. Frac B2 sds w/ 13,965#'s of 20/40 sand in 269 bbls of Lightning 17 fluid. Broke @ 4220 psi. Treated w/ ave pressure of 2130 psi w/ ave rate of 24.8 BPM. ISIP 1925 psi. Leave pressure on well. 1694 BWTR. Stage #4 C sds. RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 12' perf gun. Set plug @ 4820'. Perforate C sds @ 4748-60' w/ 3-1/8" Slick Guns (.37"EH, 23 gram, 90°) w/ 4 spf for total of 48 shots. RU BJ Services. 1532 psi on well. Frac C sds w/ 41,811#'s of 20/40 sand in 406 bbls of Lightning 17 fluid. Broke @ 4180 psi. Treated w/ ave pressure of 2620 psi w/ ave rate of 24.8 BPM. ISIP 2235 psi. Open well to pit for immediate flowback @ 1 bpm. Well flowed for 4 hrs. & died. Recovered 270 bbls. SWIFN.

**10/9/2007 Day: 3****Completion**

Western #2 on 10/8/2007 - MIRU Western #2. 75 psi on csg. Bleed off pressure. ND Cameron BOP & 5M WH. NU 3M WH & Shaffer BOP. Talley, PU & RIH w/ 4 3/4" (Used) bit, Bit sub & 153 jts of 2 7/8" J-55 tbg. Tagged sand @ 4707'. RU Nabors power swivel. Circulate sand & drill out plugs. Sand @ 4707', Plug @ 4820' (Drilled out in 22 mins). Tagged sand @ 4882', Plug @ 4920' (Drilled out in 27 mins). Circulate well clean. LD 1 jt tbg. EOT @ 4913'. SIWFN w/ 1820 BWTR.

**10/10/2007 Day: 4****Completion**

Western #2 on 10/9/2007 - 0 psi on well. Con't circulate sand & drill out plugs. Tagged plug @ 5010' (Drilled out in 26 mins). Tagged sand @ 5726'. C/O to PBTD @ 6034'. RD power swivel. LD 2 jts of tbg. EOT @ 5993. RU swab equipment. Made 14 runs. IFL @ sfc. FFL @ 1900', Trace oil, No sand. Rec 136 BTF. RD swab equipment. PU & RIH w/ 2 jts of tbg. Tagged sand @ 6022'. C/O to PBTD @ 6034'. LD 30 jts of

tbg. TOH w/ tbg. LD bit & bit sub. TIH w/ production tbg as follows: NC, 2-jts, 2-jts, TA & 40 jts of tbg. EOT @ 1246'. SIWFN w/ 1744 BWTR.

10/11/2007 Day: 5

Completion

Western #2 on 10/10/2007 - 0 psi on well. Con't TIH w/ production tbg. Production tbg detail as follows: NC, 2- jts, SN, 2- jts, 5 1/2" TA, 162 jts of 2 7/8" J-55 tbg. ND BOP. Set TA w/ 16,000# of tension @ 5010', SN @ 5075', EOT @ 5137'. NU WH. PU & TIH W/ pump and "A" grade rod string as follows: new CDI 2 1/2" X 1 3/4" X 21' RHAC pump, 4-1 1/2" weight rods, 197-7/8" scraped rods(8 per), 1- 4', 1- 2' X 7/8" pony rods and 1 1/2" X 26' polished rod. Seat pump & RU pumping unit. W/ tbg full, pressure test tbg & pump to 200 psi. Stroke pump up W/ unit to 800 psi. Good pump action. RDMOSU. Est 1744 BWTR. Place well on production @ 3:00 PM 10/10/2007 W/ 123" SL @ 4 SPM. FINAL REPORT!!

Pertinent Files: Go to File List

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

## 1a. TYPE OF WORK

OIL WELL ☒ GAS WELL ☐ DRY ☐ Other \_\_\_\_\_

## 1b. TYPE OF WELL

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR. ☐ Other \_\_\_\_\_

## 2. NAME OF OPERATOR

Newfield Exploration Company

## 3. ADDRESS AND TELEPHONE NO.

1401 17th St. Suite 1000 Denver, CO 80202

## 4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)\*

At Surface 660' FSL &amp; 664' FEL (SE/SE) Sec. 22, T9S, R16E

At top prod. Interval reported below

2068 fsl 1649 fel

Chgs. per  
eng. review  
by DKD

At total depth

476 fsl 1662 fel

## 14. API NO.

43-013-33394

## DATE ISSUED

05/07/07

## 15. DATE SPUDDED

08/27/07

## 16. DATE T.D. REACHED

09/13/07

## 17. DATE COMPL. (Ready to prod.)

10/10/07

## 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*

5800' GL

## 12. COUNTY OR PARISH

Duchesne

## 13. STATE

UT

## 20. TOTAL DEPTH, MD &amp; TVD

6075' 5820

## 21. PLUG BACK T.D., MD &amp; TVD

6034' 5779

22. IF MULTIPLE COMPL.,  
HOW MANY\*23. INTERVALS  
DRILLED BY

-----&gt;

## ROTARY TOOLS

X

## CABLE TOOLS

## 24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\*

Green River 4748'-5071'

25. WAS DIRECTIONAL  
SURVEY MADE

No Yes

## 26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log

## 27. WAS WELL CORED

No

## 23. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	306'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	6051'	7-7/8"	350 sx Premilite II and 525 sx 50/50 Poz	

## 29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	EOT @ 5137'	TA @ 5010'

## 31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(A1) 5035'-5071'	.49"	4/144	5035'-5071'	Frac w/ 140,366# 20/40 sand in 1008 bbls fluid
(A.5) 4964'-4969'	.37"	4/20	4964'-4969'	Frac w/ 15,004# 20/40 sand in 274 bbls fluid
(B2) 4860'-4867'	.37"	4/28	4860'-4867'	Frac w/ 13,965# 20/40 sand in 269 bbls fluid
(C) 4748'-4760'	.37"	4/48	4748'-4760'	Frac w/ 41,811# 20/40 sand in 406 bbls fluid

## 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

## 33.\*

## PRODUCTION

DATE FIRST PRODUCTION 10/10/07		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) 2-1/2" x 1-3/4" x 21' RHAC SM Plunger Pump					WELL STATUS (Producing or shut-in) PRODUCING	
DATE OF TEST 10 day ave	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD ----->	OIL--BBL. 3	GAS--MCF. 1	WATER--BBL. 31	GAS-OIL RATIO 333	
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE ----->	OIL-BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)		

## 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold &amp; Used for Fuel

## TEST WITNESSED BY

## 35. LIST OF ATTACHMENTS

## 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Jentri Park

TITLE

Production Clerk

DATE

10/31/2007

JP

\*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name Federal	Garden Gulch Mkr	3536'	
				Garden Gulch 1	3757'	
				Garden Gulch 2	3872'	
				Point 3 Mkr	4113'	
				X Mkr	4401'	
				Y-Mkr	4436'	
				Douglas Creek Mkr	4562'	
				BiCarbonate Mkr	4798'	
				B Limestone Mkr	4904'	
				Castle Peak	5461'	
				Basal Carbonate	5923'	
				Wasatch	6031'	
				Total Depth (LOGGERS)	6065'	



**Scientific  
Drilling**

## Directional Survey Certification

7327 West Barton Road  
Casper, WY 82604  
(307)-472-6621 Fax (307) 472-5439

RE: _____	Newfield Exploration Co.	Operator
_____	Federal 16-22-9-16	Well Name & No.
_____	Duchesne County, UT	County & State
_____	42DEF0708712	SDI Job No.

I, Julie Cruse, having personal knowledge of all the facts, hereby certify that the attached directional survey run from a measured depth of 334 feet to a measured depth of 6075 feet is true and correct as determined from all available records.

Julie Cruse

Signature

Rockies Region Engineer

Title

Scientific Drilling International

Company

State of : Wyoming }

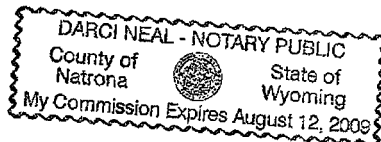
County of : Natrona } ss

On this 19th day of October, 2007, before me personally appeared Julie Cruse to me known as the person described in and who executed the foregoing instrument and acknowledged that (s)he executed the same as his/her free act and deed.

Seal

Darci Neal  
Notary Public

Aug 12, 2009  
My Commission Expires

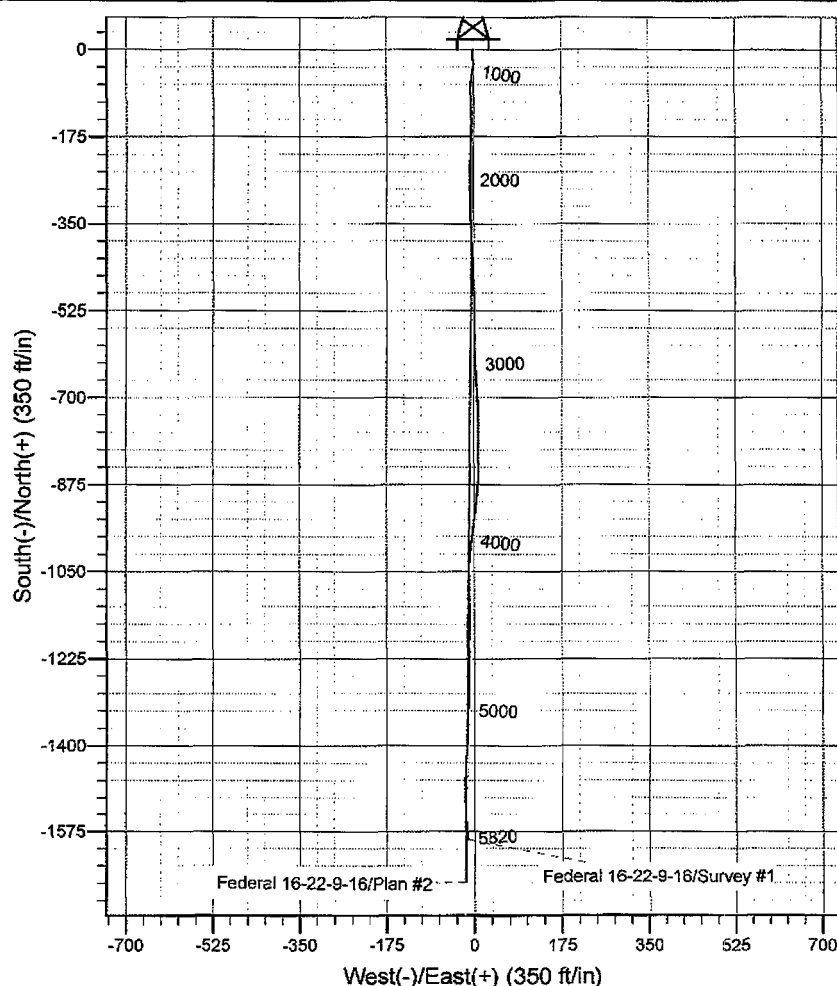
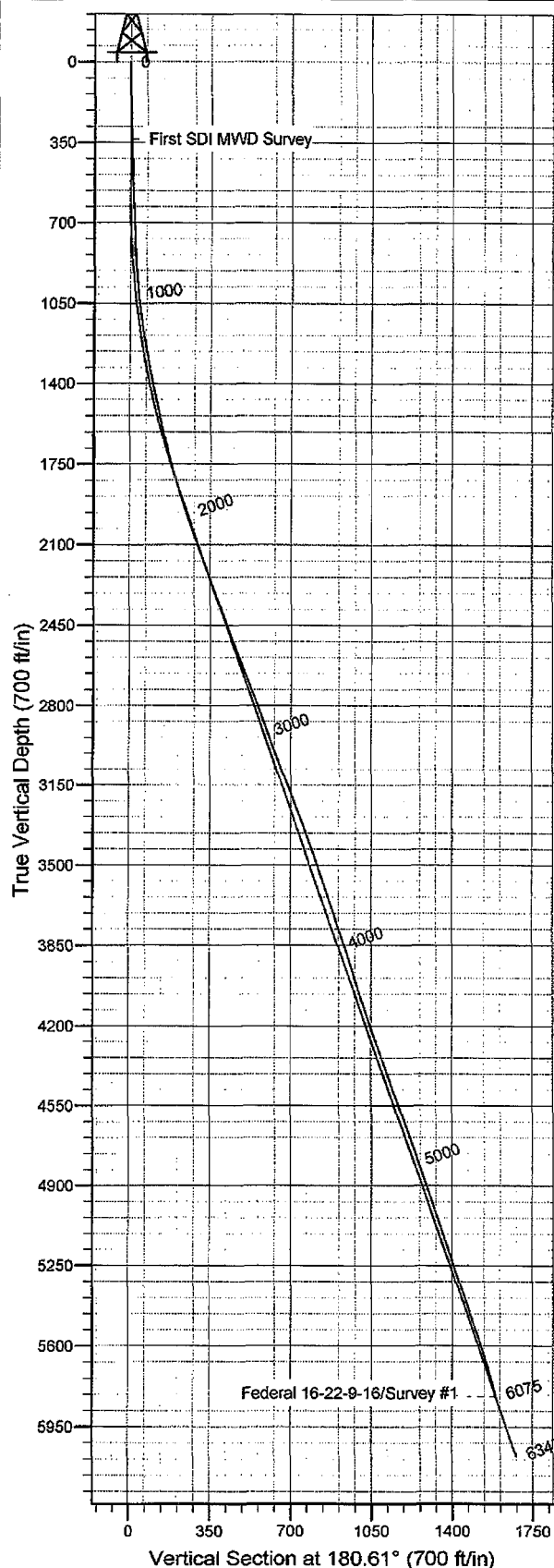




**Scientific Drilling**  
Rocky Mountain Operations

Project: Duchesne County, UT  
Site: Federal 16-22-9-16  
Well: Federal 16-22-9-16  
Wellbore: OH  
Design: OH

**Newfield Exploration Co.**



**WELL DETAILS: Federal 16-22-9-16**

+N/-S	+E/-W	Ground Level: Northing	GL 5798' & RKB 15' @ 5813.00ft Easting	Latitude	Longitude
0.00	0.00	7177203.67	2032965.58	40° 0' 53.270 N	110° 5' 54.150 W

**REFERENCE INFORMATION**

Co-ordinate (N/E) Reference: Well Federal 16-22-9-16, True North  
Vertical (TVD) Reference: GL 5798' & RKB 15' @ 5813.00ft  
Section (VS) Reference: Slot - (0.00N, 0.00E)  
Measured Depth Reference: GL 5798' & RKB 15' @ 5813.00ft  
Calculation Method: Minimum Curvature  
Local North: True  
Location: Sec. 22 T9S R16E

**PROJECT DETAILS: Duchesne County, UT**

Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: Utah Central Zone

**Survey: Survey #1 (Federal 16-22-9-16/OH)**

Created By: Julie Cruse Date: 2007-10-08

# **Newfield Exploration Co.**

Duchesne County, UT

Federal 16-22-9-16

Federal 16-22-9-16

OH

Survey: Survey #1

## **Standard Survey Report**

08 October, 2007



# Scientific Drilling

## Survey Report

Company: Newfield Exploration Co.  
Project: Duchesne County, UT  
Site: Federal 16-22-9-16  
Well: Federal 16-22-9-16  
Wellbore: OH  
Design: OH

Local Co-ordinate Reference: Well Federal 16-22-9-16  
TVD Reference: GL 5798' & RKB 15' @ 5813.00ft  
MD Reference: GL 5798' & RKB 15' @ 5813.00ft  
North Reference: True  
Survey Calculation Method: Minimum Curvature  
Database: EDM 2003.16 Single User Db

### Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
3,126.00	20.59	177.30	3,029.70	-640.79	4.24	640.71	0.83	0.65	-1.49
3,219.00	20.43	175.78	3,116.81	-673.32	6.20	673.21	0.60	-0.17	-1.63
3,312.00	21.40	176.48	3,203.68	-706.44	8.44	706.31	1.08	1.04	0.75
3,405.00	21.45	178.48	3,290.26	-740.37	9.93	740.23	0.79	0.05	2.15
3,498.00	20.55	179.86	3,377.08	-773.70	10.42	773.54	1.10	-0.97	1.48
3,593.00	18.89	181.17	3,466.50	-805.75	10.15	805.59	1.81	-1.75	1.38
3,686.00	18.94	180.61	3,554.48	-835.89	9.68	835.74	0.20	0.05	-0.60
3,781.00	18.86	182.55	3,644.36	-866.65	8.84	866.50	0.67	-0.08	2.04
3,875.00	18.36	185.29	3,733.45	-896.57	6.80	896.44	1.07	-0.53	2.91
3,969.00	17.85	187.02	3,822.79	-925.61	3.67	925.52	0.79	-0.54	1.84
4,062.00	17.23	187.28	3,911.47	-953.42	0.18	953.36	0.67	-0.67	0.28
4,156.00	17.33	187.05	4,001.23	-981.12	-3.30	981.10	0.13	0.11	-0.24
4,250.00	18.49	186.40	4,090.67	-1,009.83	-6.68	1,009.84	1.25	1.23	-0.69
4,344.00	18.97	180.90	4,179.70	-1,039.92	-8.58	1,039.95	1.95	0.51	-5.85
4,439.00	19.44	179.84	4,269.41	-1,071.17	-8.78	1,071.20	0.62	0.49	-1.12
4,532.00	19.46	179.00	4,357.10	-1,102.13	-8.47	1,102.16	0.30	0.02	-0.90
4,626.00	18.85	178.69	4,445.90	-1,132.97	-7.85	1,132.99	0.66	-0.65	-0.33
4,721.00	19.86	182.06	4,535.53	-1,164.44	-8.08	1,164.46	1.58	1.06	3.55
4,816.00	18.86	181.10	4,625.16	-1,195.92	-8.95	1,195.95	1.10	-1.05	-1.01
4,908.00	18.59	180.31	4,712.29	-1,225.45	-9.32	1,225.48	0.40	-0.29	-0.86
5,002.00	19.22	180.77	4,801.22	-1,255.91	-9.60	1,255.94	0.69	0.67	0.49
5,094.00	19.18	180.82	4,888.10	-1,286.16	-10.02	1,286.19	0.05	-0.04	0.05
5,188.00	18.62	182.30	4,977.03	-1,316.59	-10.85	1,316.64	0.78	-0.60	1.57
5,283.00	19.36	180.17	5,066.86	-1,347.50	-11.50	1,347.54	1.07	0.78	-2.24
5,375.00	18.51	182.51	5,153.89	-1,377.34	-12.19	1,377.39	1.24	-0.92	2.54
5,470.00	17.97	184.70	5,244.11	-1,407.01	-14.05	1,407.08	0.92	-0.57	2.31
5,564.00	18.35	182.93	5,333.43	-1,436.24	-15.99	1,436.32	0.71	0.40	-1.88
5,656.00	18.62	181.52	5,420.69	-1,465.38	-17.12	1,465.48	0.57	0.29	-1.53
5,751.00	18.79	178.85	5,510.67	-1,495.84	-17.22	1,495.94	0.92	0.18	-2.81
5,844.00	18.45	178.96	5,598.80	-1,525.53	-16.65	1,525.62	0.37	-0.37	0.12
5,938.00	17.29	177.17	5,688.27	-1,554.35	-15.69	1,554.43	1.37	-1.23	-1.90
6,027.00	15.05	178.12	5,773.74	-1,579.09	-14.26	1,579.16	2.54	-2.52	-1.18
6,075.00	15.05	176.12	5,820.09	-1,591.53	-13.41	1,591.58	0.00	0.00	0.00

### Targets

#### Target Name

hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- Shape									
Federal 16-22-9-16 Targ	0.00	0.00	5,298.00	-1,409.00	-15.00	7,175,794.61	2,032,972.66	40° 0' 39.344 N	110° 5' 54.343 W
- survey misses by 14.78ft at 5521.84ft MD (5293.40 TVD, -1423.05 N, -15.23 E)									
- Circle (radius 75.00)									

### Survey Annotations

Measured	Vertical	Local Coordinates		Comment
Depth	Depth	+N/-S	+E/-W	
(ft)	(ft)	(ft)	(ft)	
334.00	333.97	-3.50	-0.60	First SDI MWD Survey
6,075.00	5,820.09	-1,591.53	-13.41	Projection To TD

Checked By: \_\_\_\_\_

Approved By: \_\_\_\_\_

Date: \_\_\_\_\_

# Scientific Drilling

## Survey Report

<b>Company:</b>	Newfield Exploration Co.	<b>Local Co-ordinate Reference:</b>	Well Federal 16-22-9-16
<b>Project:</b>	Duchesne County, UT	<b>TVD Reference:</b>	GL 5798' & RKB 15' @ 5813.00ft
<b>Site:</b>	Federal 16-22-9-16	<b>MD Reference:</b>	GL 5798' & RKB 15' @ 5813.00ft
<b>Well:</b>	Federal 16-22-9-16	<b>North Reference:</b>	True
<b>Wellbore:</b>	OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	OH	<b>Database:</b>	EDM 2003.16 Single User Db

<b>Project</b>	Duchesne County, UT		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Central Zone		

<b>Site</b>	Federal 16-22-9-16, Sec. 22 T9S R16E				
<b>Site Position:</b>		<b>Northing:</b>	7,177,203.67 ft	<b>Latitude:</b>	40° 0' 53.270 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,032,965.58 ft	<b>Longitude:</b>	110° 5' 54.150 W
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	in	<b>Grid Convergence:</b>	0.90 °

<b>Well</b>	Federal 16-22-9-16, SHL: 2068' FSL, 649' FEL					
<b>Well Position</b>	+N/-S	0.00 ft	<b>Northing:</b>	7,177,203.67 ft	<b>Latitude:</b>	40° 0' 53.270 N
	+E/-W	0.00 ft	<b>Easting:</b>	2,032,965.58 ft	<b>Longitude:</b>	110° 5' 54.150 W
<b>Position Uncertainty</b>		0.00 ft	<b>Wellhead Elevation:</b>	ft	<b>Ground Level:</b>	5,798.00 ft

<b>Wellbore</b>	OH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination</b>	<b>Dip Angle</b>	<b>Field Strength</b>
	IGRF200510	2007-09-06	(°)	(°)	(nT)
			11.79	65.86	52,641

<b>Design</b>	OH				
<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	
<b>Vertical Section:</b>	<b>Depth From (TVD)</b>	<b>+N/-S</b>	<b>+E/-W</b>	<b>Direction</b>	
	(ft)	(ft)	(ft)	(°)	
	0.00	0.00	0.00	180.61	

<b>Survey Program</b>	Date 2007-09-24				
<b>From</b>	<b>To</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
(ft)	(ft)				
334.00	6,075.00	Survey #1 (OH)	MWD	MWD - Standard	

<b>Survey</b>										
<b>Measured</b>	<b>Inclination</b>	<b>Azimuth</b>	<b>Vertical</b>	<b>+N/-S</b>	<b>+E/-W</b>	<b>Vertical</b>	<b>Dogleg</b>	<b>Build</b>	<b>Turn</b>	
<b>Depth</b>	<b>(°)</b>	<b>(°)</b>	<b>Depth</b>	<b>(ft)</b>	<b>(ft)</b>	<b>Section</b>	<b>Rate</b>	<b>Rate</b>	<b>Rate</b>	
<b>(ft)</b>			<b>(ft)</b>			<b>(ft)</b>	<b>(°/100ft)</b>	<b>(°/100ft)</b>	<b>(°/100ft)</b>	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
334.00	1.22	189.79	333.97	-3.50	-0.60	3.51	0.37	0.37	0.00	
364.00	1.21	188.30	363.97	-4.13	-0.70	4.14	0.11	-0.03	-4.97	
394.00	1.63	182.40	393.96	-4.87	-0.77	4.88	1.48	1.40	-19.67	
424.00	2.50	181.43	423.94	-5.95	-0.80	5.96	2.90	2.90	-3.23	
453.00	2.40	176.75	452.91	-7.19	-0.78	7.20	0.77	-0.34	-16.14	
484.00	2.50	184.22	483.88	-8.51	-0.80	8.52	1.08	0.32	24.10	
515.00	2.73	180.10	514.85	-9.93	-0.85	9.93	0.96	0.74	-13.29	
545.00	2.78	181.29	544.82	-11.37	-0.87	11.38	0.25	0.17	3.97	
575.00	2.76	181.34	574.78	-12.82	-0.90	12.83	0.07	-0.07	0.17	
606.00	2.75	180.64	605.75	-14.31	-0.92	14.32	0.11	-0.03	-2.26	
637.00	2.53	174.59	636.71	-15.73	-0.87	15.74	1.14	-0.71	-19.52	
667.00	2.38	173.07	666.69	-17.00	-0.73	17.01	0.61	-0.57	-5.07	

**NEWFIELD**



March 1, 2011

Mr. Brad Hill  
State of Utah, DOGM  
1594 West North Temple-Suite 1310  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

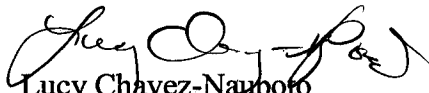
RE: Workover MIT  
Federal 16-22-9-16  
API #43-013-33394

9S 16E 22

Dear Mr. Brad Hill:

A workover MIT was conducted on the subject well. Attached are the sundry, tabular sheet and a copy of the chart. If you have any questions please give me a call at 435-646-4874.

Sincerely,

  
Lucy Chavez-Naupoto  
Administrative Assistant

**RECEIVED**

**MAR 08 2011**

**DIV. OF OIL, GAS & MINING**

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-74392
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: GMBU
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 2068 FSL 649 FEL		8. WELL NAME and NUMBER: FEDERAL 16-22-9-16
OTR/OTR. SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE, 22, T9S, R16E		9. API NUMBER: 4301333394
		10. FIELD AND POOL, OR WILDCAT: GREATER MB UNIT
		COUNTY: DUCHESNE
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

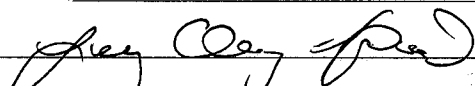
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input checked="" type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: 02/25/2011	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - MIT
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well had workover procedures performed (tubing leak), attached is a daily status report.

On 02/22/2011 Dennis Ingram with the State of Utah was contacted concerning the MIT on the above listed well. On 02/25/2011 the csg was pressured up to 1420 psig and charted for 30 minute with no pressure loss. There was not a State representative available to witness the test.

API# 43-013-33394

NAME (PLEASE PRINT) <u>Lucy Chavez-Naupoto</u>	TITLE <u>Administrative Assistant</u>
SIGNATURE 	DATE <u>03/01/2011</u>

(This space for State use only)

**RECEIVED**  
**MAR 08 2011**  
DIV. OF OIL, GAS & MINING

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630

Myton, UT 84052

435-646-3721

Witness: \_\_\_\_\_ Date 02/25/11 Time 9:00 ☒ am ☐ pm

Test Conducted by: Dale Giles

Others Present: \_\_\_\_\_

Well: Federal 16-22-9-16

Field: Monument Butte

Well Location:

SE/SE Sec. 22, T9S, R16E

API No:

43-0013-33394

## Time

## Casing Pressure

0 min	<u>1420</u>	psig
5	<u>1420</u>	psig
10	<u>1420</u>	psig
15	<u>1420</u>	psig
20	<u>1420</u>	psig
25	<u>1420</u>	psig
30 min	<u>1420</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: N/A psig

Result:

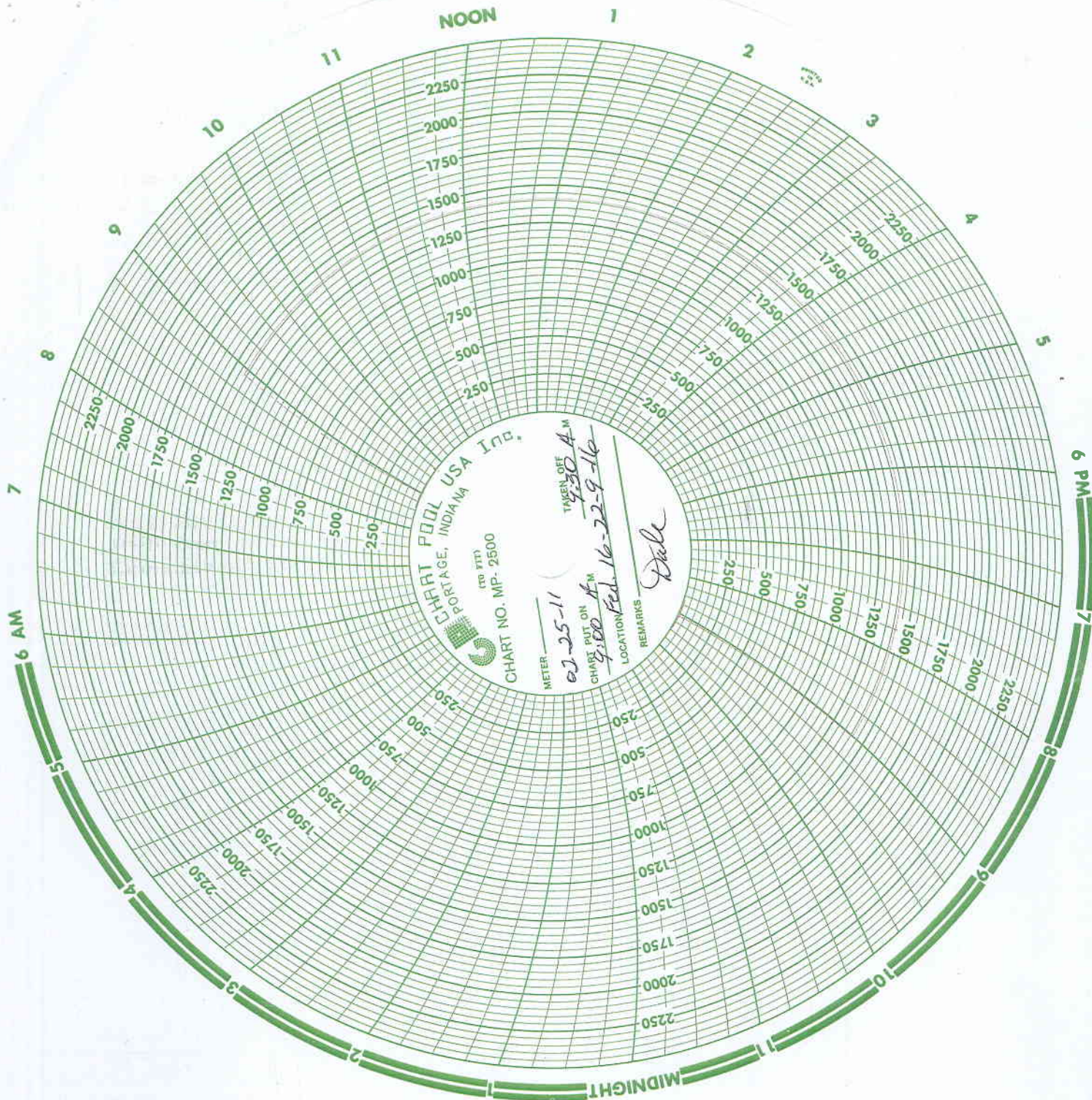
Pass

Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: Dale Giles





**Daily Activity Report****Format For Sundry****FEDERAL 16-22-9-16****12/1/2010 To 4/28/2011****2/7/2011 Day: 1****Tubing Leak**

Basic #1474 on 2/7/2011 - POOH w/ rods & pump (Guides worn out on entire rod string). POOH w/ tbg looking for hole. - MIRU. Pump 40 BW @ 250° Fdown csg. RDPU. Unseat pump POOH w/ rods & pump, guides on entire rod string worn out & scale build up on bttm of rod string. X- over to tbg equipment. NDWH. Release TA. NUBOP. RIH w/ tbg & tag fill @ 5518'. Pump 5 BW, drop SV. POOH w/ tbg looking for hole, did not find hole. RIH w/ new SN, TA & 44- jts tbg. Try to PT tbg, no test. POOH w/ tbg, find hole in jt #163. Replace 20- jts tbg above SN. SWIFN. - MIRU. Pump 40 BW @ 250° Fdown csg. RDPU. Unseat pump POOH w/ rods & pump, guides on entire rod string worn out & scale build up on bttm of rod string. X- over to tbg equipment. NDWH. Release TA. NUBOP. RIH w/ tbg & tag fill @ 5518'. Pump 5 BW, drop SV. POOH w/ tbg looking for hole, did not find hole. RIH w/ new SN, TA & 44- jts tbg. Try to PT tbg, no test. POOH w/ tbg, find hole in jt #163. Replace 20- jts tbg above SN. SWIFN. **Finalized**

**Daily Cost: \$0****Cumulative Cost: \$6,111**

---

**2/10/2011 Day: 2****Tubing Leak**

Basic #1474 on 2/10/2011 - POOH w/ tbg. RU Perforators WLT. Set CIBP @ 4698'. RIH W/ 108- jts tbg open ended. SWIFN. - Pump 10 BW down tbg, drop SV. RIH w/ all tbg. LD 58- jts tbg on trailer. TOO H w/ 108- jts tbg. RU Perforators WLT. RIH w/ CIBP and set @ 4698'. RD WLT. RIH w/ 108- jts tbg open ended. NDBOP. NUWH. RIH w/ 129-7/8"guided rods. SWIFN. - Pump 10 BW down tbg, drop SV. RIH w/ all tbg. LD 58- jts tbg on trailer. TOO H w/ 108- jts tbg. RU Perforators WLT. RIH w/ CIBP and set @ 4698'. RD WLT. RIH w/ 108- jts tbg open ended. NDBOP. NUWH. RIH w/ 129-7/8"guided rods. SWIFN. **Finalized**

**Daily Cost: \$0****Cumulative Cost: \$13,579**

---

**2/12/2011 Day: 3****Tubing Leak**

Basic #1474 on 2/12/2011 - LD rods & TA well. - LD 129- 7/8" rods. Pump chemical diown CSG. ND WH tee, bull plug WH. - LD 129- 7/8" rods. Pump chemical diown CSG. ND WH tee, bull plug WH.

**Daily Cost: \$0****Cumulative Cost: \$17,314**

---

**2/28/2011 Day: 4****Tubing Leak**

Rigless on 2/28/2011 - Workover MIT. - On 2/22/2011 Dennis Ingram with the State of Utah DOGM was contacted concerning the workover MIT on the above listed well (Federal 16-22-9-16). On 2/25/2011 the csg was pressured up to 1420 psig and charted for 30 minutes with no pressure loss. There was not a State representative available to witness the test. Final Report API# 43-013-33394 - On 2/22/2011 Dennis Ingram with the State of Utah DOGM was contacted concerning the workover MIT on the above listed well (Federal 16-22-9-16). On 2/25/2011 the csg was pressured up to 1420 psig and charted for 30 minutes with no pressure loss. There was not a State representative available to witness the test. Final Report



API# 43-013-33394 **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$18,214

---

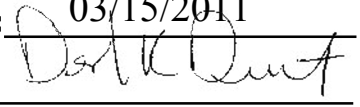
**Pertinent Files: Go to File List**

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-74392
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> 1001 17th Street, Suite 2000 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> FEDERAL 16-22-9-16
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2068 FSL 0649 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 22 Township: 09.0S Range: 16.0E Meridian: S		<b>9. API NUMBER:</b> 43013333940000
<b>PHONE NUMBER:</b> 303 382-4443 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 2/9/2011  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input checked="" type="checkbox"/> <b>TEMPORARY ABANDON</b> <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <span style="border: 1px solid black; display: inline-block; width: 100px; height: 15px; vertical-align: middle;"></span>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
 Newfield Production Company requests the approval to temporarily abandon subject well. Subject well is down and needs repair. However repairs prove not to be economic thus request the approval to TA. Attached are the "as-is" well bore diagram and the proposed wellbore diagram. The plan is to set a plug approximately 50' above top perforation until well can be converted when water flood has expanded to area of subject well. Please contact Wayne Ba at 303-383-4139 with any questions.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining**  
  
 Date: 03/15/2011  
 By: 

<b>NAME (PLEASE PRINT)</b> Sam Styles	<b>PHONE NUMBER</b> 303 893-0102	<b>TITLE</b> Engineering Tech
<b>SIGNATURE</b> N/A		<b>DATE</b> 2/9/2011

# FEDERAL 16-22-9-16

Spud Date: 08/27/07  
Put on Production: 10/10/07

GL: 5800' KB: 5812'

## SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (293.76')  
DEPTH LANDED: 305.61' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 6 bbls cmt to surf.

## PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: ? jts. (')  
DEPTH LANDED: ?' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: ? sxs Prem. Lite II mixed & ? sxs 50/50 POZ.  
CEMENT TOP: 39'

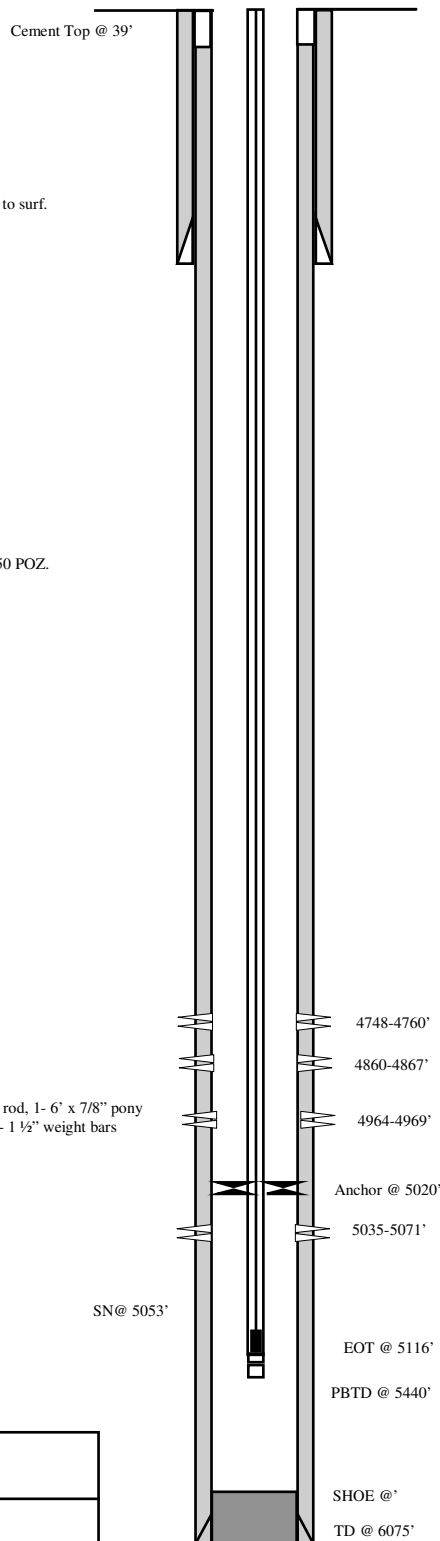
## TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 162 jts (4993.8')  
TUBING ANCHOR: 5005.8' KB  
NO. OF JOINTS: 2 jts (64.1')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5072.8'  
NO. OF JOINTS: 2 jts (61.40')  
TOTAL STRING LENGTH: EOT @ 5136' KB

## SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM polished rods  
SUCKER RODS: 2-4' x 7/8" pony rods, 1-4' x 7/8" pony rod, 1-6' x 7/8" pony rod, 197- 7/8" guided rods (8 per), 4-3' x 1" pony rods, 4- 1 1/2" weight bars  
PUMP SIZE: CDI 2-1/2" x 1-3/4" x 16 x 20" RHAC  
STROKE LENGTH: 123"  
PUMP SPEED, SPM: 5

## **Wellbore Diagram (As - Is)**




Initial Production: BOPD,  
MCFD, BWPD

## FRAC JOB

10/05/07	5035-5071'	<b>Frac A1 sands as follows:</b> 140366# 20/40 sand in 1008 bbl Lightning 17 frac fluid. Treated @ avg press of 1851 psi w/avg rate of 24.8 BPM. ISIP 2081 psi. Calc flush: 5033 gal. Actual flush: 4536 gal.
10/06/07	4964-4969'	<b>Frac A.5 sands as follows:</b> 15004# 20/40 sand in 274 bbls Lightning 17 frac fluid. Treated @ avg press of 2605 psi w/avg rate of 24.8 BPM. ISIP 1909 psi. Calc flush: 4962 gal. Actual flush: 4456 gal.
10/05/07	4860-4867'	<b>Frac B2 sands as follows:</b> 13965# 20/40 sand in 269 bbls Lightning 17 frac fluid. Treated @ avg press of 2130 psi w/avg rate of 24.8 BPM. ISIP 1925 psi. Calc flush: 4858 gal. Actual flush: 4355 gal.
10/05/07	4748-4760'	<b>Frac C sands as follows:</b> 41811# 20/40 sand in 406 bbls Lightning 17 frac fluid. Treated @ avg press of 2620 psi w/avg rate of 24.8 BPM. ISIP 2235 psi. Calc flush: 4746 gal. Actual flush: 4662 gal.
6/17/08		parted rods. Updated rod and tubing detail
11/19/08		Pump Change. Updated rod & tubing details.
2/13/09		Tubing Leak. Updated r & t details.
6/18/2010		Tubing leak. Updated rod and tubing detail.

## PERFORATION RECORD

10/02/07	5035-5071'	4 JSPF	144 holes
10/05/07	4964-4969'	4 JSPF	20 holes
10/05/07	4860-4867'	4 JSPF	28 holes
10/05/07	4748-4760'	4 JSPF	48 holes


<b>FEDERAL 16-22-9-16</b> 2068'FSL & 649' FEL NE/SE Section 22-T9S-R16E Duchesne Co, Utah API #43-013-33394; Lease # UTU-74392

ML 7/9/2010

# FEDERAL 16-22-9-16

Spud Date: 08/27/07  
Put on Production: 10/10/07

GL: 5800' KB: 5812'

## SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (293.76')  
DEPTH LANDED: 305.61' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 6 bbls cmt to surf.

## PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: ? jts. (')  
DEPTH LANDED: ?' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: ? sxs Prem. Lite II mixed & ? sxs 50/50 POZ.  
CEMENT TOP: 39'

## TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 162 jts (4993.8')  
TUBING ANCHOR: 5005.8' KB  
NO. OF JOINTS: 2 jts (64.1')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5072.8'  
NO. OF JOINTS: 2 jts (61.40')  
TOTAL STRING LENGTH: EOT @ 5136' KB

## SUCKER RODS

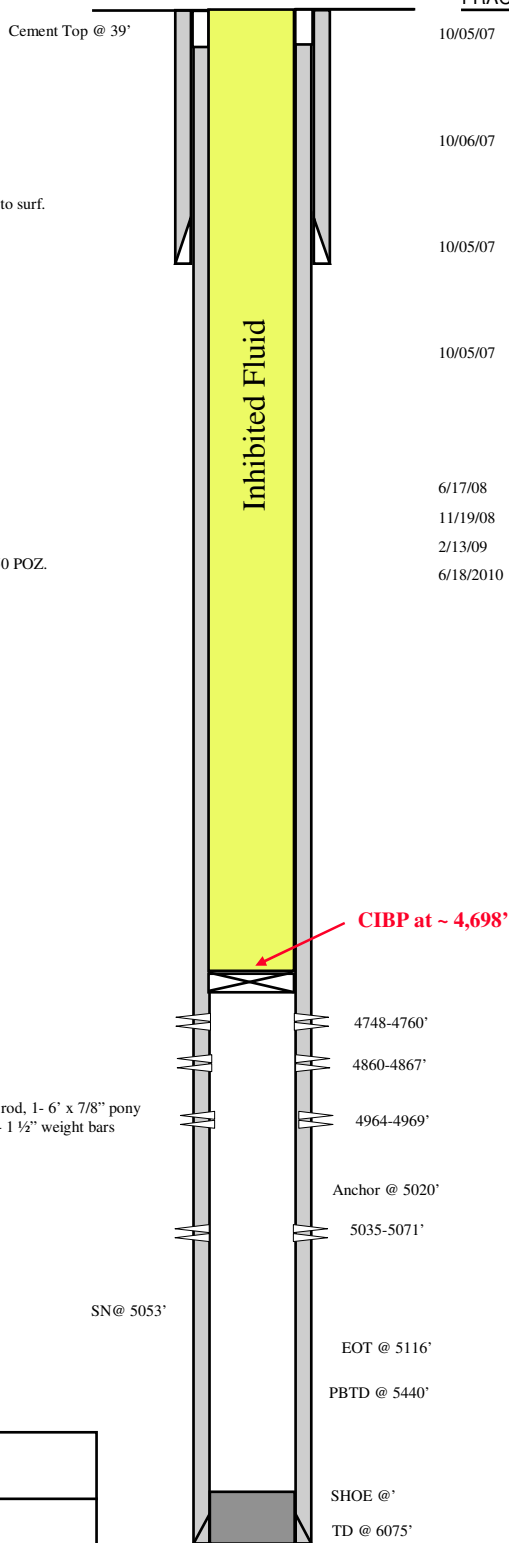
POLISHED ROD: 1-1/2" x 26' SM polished rods  
SUCKER RODS: 2-4' x 7/8" pony rods, 1-4' x 7/8" pony rod, 1-6' x 7/8" pony rod, 197- 7/8" guided rods (8 per), 4-3' x 1" pony rods, 4- 1 1/2" weight bars  
PUMP SIZE: CDI 2-1/2" x 1-3/4" x 16 x 20" RHAC  
STROKE LENGTH: 123"  
PUMP SPEED, SPM: 5

## **Wellbore Diagram (Proposed)**

Initial Production: BOPD,  
MCFD, BWPD

## FRAC JOB

10/05/07	5035-5071'	<b>Frac A1 sands as follows:</b> 140366# 20/40 sand in 1008 bbl Lightning 17 frac fluid. Treated @ avg press of 1851 psi w/avg rate of 24.8 BPM. ISIP 2081 psi. Calc flush: 5033 gal. Actual flush: 4536 gal.
10/06/07	4964-4969'	<b>Frac A.5 sands as follows:</b> 15004# 20/40 sand in 274 bbls Lightning 17 frac fluid. Treated @ avg press of 2605 psi w/avg rate of 24.8 BPM. ISIP 1909 psi. Calc flush: 4962 gal. Actual flush: 4456 gal.
10/05/07	4860-4867'	<b>Frac B2 sands as follows:</b> 13965# 20/40 sand in 269 bbls Lightning 17 frac fluid. Treated @ avg press of 2130 psi w/avg rate of 24.8 BPM. ISIP 1925 psi. Calc flush: 4858 gal. Actual flush: 4355 gal.
10/05/07	4748-4760'	<b>Frac C sands as follows:</b> 41811# 20/40 sand in 406 bbls Lightning 17 frac fluid. Treated @ avg press of 2620 psi w/avg rate of 24.8 BPM. ISIP 2235 psi. Calc flush: 4746 gal. Actual flush: 4662 gal.
6/17/08		parted rods. Updated rod and tubing detail
11/19/08		Pump Change. Updated rod & tubing details.
2/13/09		Tubing Leak. Updated r & t details.
6/18/2010		Tubing leak. Updated rod and tubing detail.



## PERFORATION RECORD

10/02/07	5035-5071'	4 JSPF	144 holes
10/05/07	4964-4969'	4 JSPF	20 holes
10/05/07	4860-4867'	4 JSPF	28 holes
10/05/07	4748-4760'	4 JSPF	48 holes

**NEWFIELD**

**FEDERAL 16-22-9-16**

2068'FSL & 649' FEL

NE/SE Section 22-T9S-R16E

Duchesne Co, Utah

API #43-013-33394; Lease # UTU-74392

ML 7/9/2010

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-74392
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>8. WELL NAME and NUMBER:</b> FEDERAL 16-22-9-16
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630, Myton, UT, 84052		<b>9. API NUMBER:</b> 43013333940000
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2068 FSL 0649 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 22 Township: 09.0S Range: 16.0E Meridian: S		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input checked="" type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input checked="" type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION	OTHER: <input type="text"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/27/2012				
<input type="checkbox"/> SPUD REPORT Date of Spud:				
<input type="checkbox"/> DRILLING REPORT Report Date:				

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well has been converted from a producing oil well to an injection well on 11/21/2012. On 11/26/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/27/2012 the casing was pressured up to 1480 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 450 psig during the test. There was not a State representative available to witness the test.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining**

Date: December 03, 2012

By: 

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A		<b>DATE</b> 11/30/2012

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company  
Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 11/27/12 Time 9:00 am pm  
Test Conducted by: Riley Bagley  
Others Present: \_\_\_\_\_

Well: Federal 16-22-9-16Field: Monument ButteWell Location: Federal 16-22-9-16API No: 4301333394

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1480</u>	psig
5	<u>1480</u>	psig
10	<u>1480</u>	psig
15	<u>1480</u>	psig
20	<u>1480</u>	psig
25	<u>1480</u>	psig
30 min	<u>1480</u>	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure: 450 psig

Result:

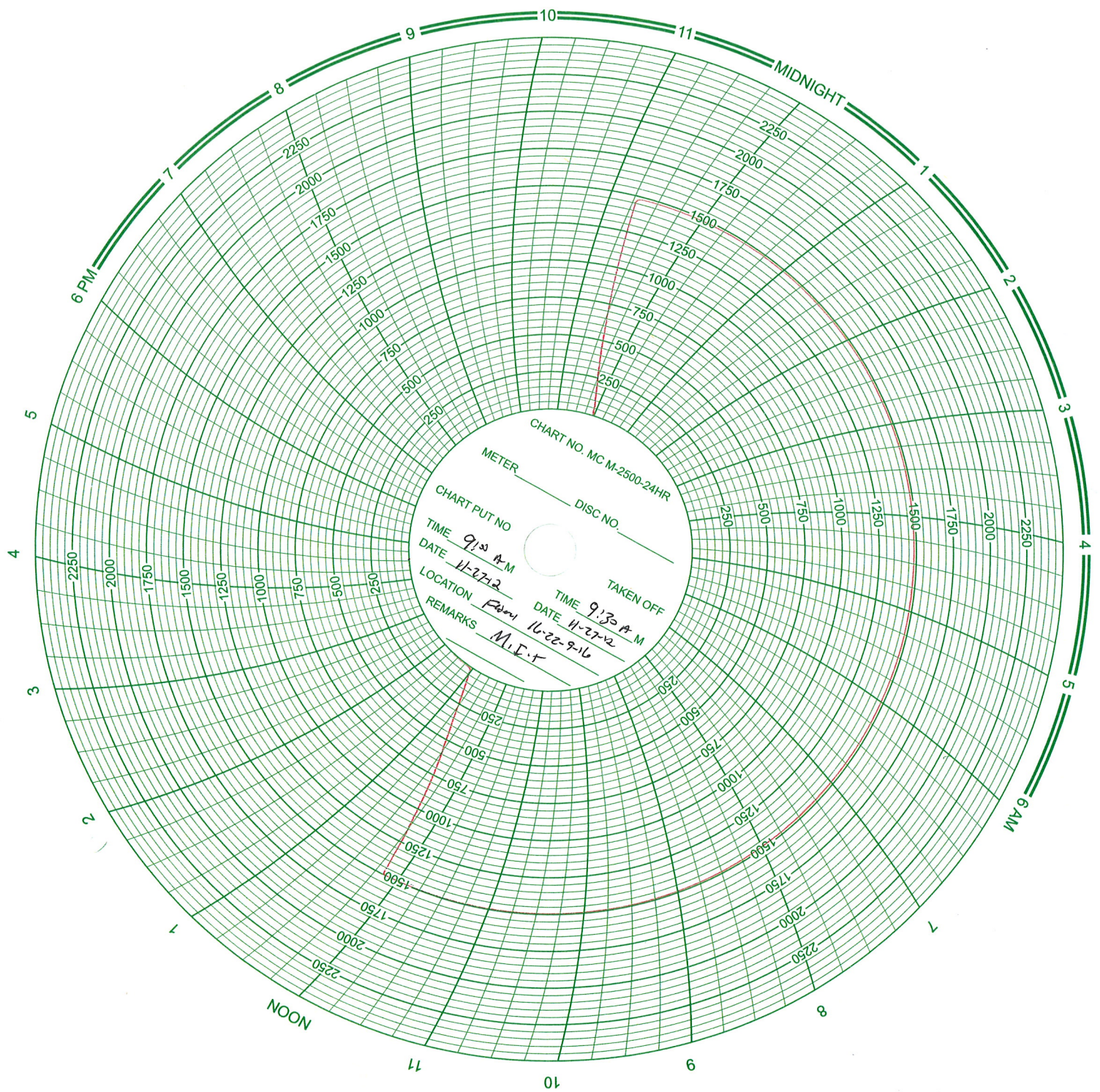
Pass

Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: \_\_\_\_\_  





## Daily Activity Report

Format For Sundry

**FEDERAL 16-22-9-16**

**9/1/2012 To 1/30/2013**

**11/19/2012 Day: 2**

**Conversion**

NC #2 on 11/19/2012 - Drill Out CIBP, Clean Out To PBTD, LD Excess Tbg, POOH Breaking Collars - C/ Travl 5:30AM To 6:00AM, OWU @ 6:00AM, H/ Oiler Pmped 65 BW Down Tbg, RU RBS Power Swivel, PU 1- Jt Tagged CIBP @ 4698', RU Rig Pmp, Drilled Up CIBP (2 Hr Drill Time), 180 BW Loss, PU 25- Jts, Tagged PBTD @ 5440' (NO FILL), RD Power Swivel, LD 25- Jts, POOH W/ 60 Jts Breaking & Inspecting Collars, Applied Liquid O- Ring To Pins & Retorqued...SWIFN...5:30PM To 6:00PM C/ Travl - MIRUSU, No Pressure On Csg Or Tbg, R/D Wellhead, R/U Weatherford BOPS, POOH W/- 108 Jts Tbg, NC, P/U & TIH W/- RBS Bit & Bit Sub, 149- Jts Tbg, SWI, CSDFN @ 6:00 PM, 6:00 To 6:30 PM C/Trvl. - C/ Travl 5:30AM To 6:00AM, OWU @ 6:00AM, H/ Oiler Pmped 65 BW Down Tbg, RU RBS Power Swivel, PU 1- Jt Tagged CIBP @ 4698', RU Rig Pmp, Drilled Up CIBP (2 Hr Drill Time), 180 BW Loss, PU 25- Jts, Tagged PBTD @ 5440' (NO FILL), RD Power Swivel, LD 25- Jts, POOH W/ 60 Jts Breaking & Inspecting Collars, Applied Liquid O- Ring To Pins & Retorqued...SWIFN...5:30PM To 6:00PM C/ Travl - MIRUSU, No Pressure On Csg Or Tbg, R/D Wellhead, R/U Weatherford BOPS, POOH W/- 108 Jts Tbg, NC, P/U & TIH W/- RBS Bit & Bit Sub, 149- Jts Tbg, SWI, CSDFN @ 6:00 PM, 6:00 To 6:30 PM C/Trvl. - C/ Travl 5:30AM To 6:00AM, OWU @ 6:00AM, H/ Oiler Pmped 65 BW Down Tbg, RU RBS Power Swivel, PU 1- Jt Tagged CIBP @ 4698', RU Rig Pmp, Drilled Up CIBP (2 Hr Drill Time), 180 BW Loss, PU 25- Jts, Tagged PBTD @ 5440' (NO FILL), RD Power Swivel, LD 25- Jts, POOH W/ 60 Jts Breaking & Inspecting Collars, Applied Liquid O- Ring To Pins & Retorqued...SWIFN...5:30PM To 6:00PM C/ Travl - MIRUSU, No Pressure On Csg Or Tbg, R/D Wellhead, R/U Weatherford BOPS, POOH W/- 108 Jts Tbg, NC, P/U & TIH W/- RBS Bit & Bit Sub, 149- Jts Tbg, SWI, CSDFN @ 6:00 PM, 6:00 To 6:30 PM C/Trvl. - C/ Travl 5:30AM To 6:00AM, OWU @ 6:00AM, H/ Oiler Pmped 65 BW Down Tbg, RU RBS Power Swivel, PU 1- Jt Tagged CIBP @ 4698', RU Rig Pmp, Drilled Up CIBP (2 Hr Drill Time), 180 BW Loss, PU 25- Jts, Tagged PBTD @ 5440' (NO FILL), RD Power Swivel, LD 25- Jts, POOH W/ 60 Jts Breaking & Inspecting Collars, Applied Liquid O- Ring To Pins & Retorqued...SWIFN...5:30PM To 6:00PM C/ Travl - MIRUSU, No Pressure On Csg Or Tbg, R/D Wellhead, R/U Weatherford BOPS, POOH W/- 108 Jts Tbg, NC, P/U & TIH W/- RBS Bit & Bit Sub, 149- Jts Tbg, SWI, CSDFN @ 6:00 PM, 6:00 To 6:30 PM C/Trvl. - C/ Travl 5:30AM To 6:00AM, OWU @ 6:00AM, H/ Oiler Pmped 65 BW Down Tbg, RU RBS Power Swivel, PU 1- Jt Tagged CIBP @ 4698', RU Rig Pmp, Drilled Up CIBP (2 Hr Drill Time), 180 BW Loss, PU 25- Jts, Tagged PBTD @ 5440' (NO FILL), RD Power Swivel, LD 25- Jts, POOH W/ 60 Jts Breaking & Inspecting Collars, Applied Liquid O- Ring To Pins & Retorqued...SWIFN...5:30PM To 6:00PM C/ Travl - MIRUSU, No Pressure On Csg Or Tbg, R/D Wellhead, R/U Weatherford BOPS, POOH W/- 108 Jts Tbg, NC, P/U & TIH W/- RBS Bit & Bit Sub, 149- Jts Tbg, SWI, CSDFN @ 6:00 PM, 6:00 To 6:30 PM C/Trvl. - C/ Travl 5:30AM To 6:00AM, OWU @ 6:00AM, H/ Oiler Pmped 65 BW Down Tbg, RU RBS Power Swivel, PU 1- Jt Tagged CIBP @ 4698', RU Rig Pmp, Drilled Up CIBP (2 Hr Drill Time), 180 BW Loss, PU 25- Jts, Tagged PBTD @ 5440' (NO FILL), RD Power Swivel, LD 25- Jts, POOH W/ 60 Jts Breaking & Inspecting Collars, Applied Liquid O- Ring To Pins & Retorqued...SWIFN...5:30PM To 6:00PM C/ Travl - MIRUSU, No Pressure On Csg Or Tbg, R/D Wellhead, R/U Weatherford BOPS, POOH W/- 108 Jts Tbg, NC, P/U & TIH W/- RBS Bit & Bit Sub, 149- Jts Tbg, SWI, CSDFN @ 6:00 PM, 6:00 To 6:30 PM C/Trvl. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$19,960

---

**11/20/2012 Day: 3**

**Conversion**



NC #2 on 11/20/2012 - Contin POOH W/ Tbg Breaking Collars, MU & RIH W/ XN Arrow Set PKR, PT Tbg - C/ Travl 5:30AM To 6:00AM, OWU @ 6:00AM, H/ Oiler Pmped 40BW Down Tbg, Conti POOH W/ 90 Jts Tbg Breaking & Inspecting Collars, Applied Liquid O- Ring & Retorqued, MU & RIH W/ XN Arrow Set Injection PKR, TIH W/ 150 Jts, H/ Oiler Pmped 10 BW Down Tbg, Seated Stnd Valve W/ Sandline, 20BW To Fill Tbg, MU Isolation T, PT Tbg To 3000psi, 125psi Loss In 60 Min, RePressured Tbg To 3000psi, No Pressure Loss In 60 Min, Retrieved Stnd Valve, RD Workfloor, NU BOP, MU 3K Injection Tree, Ready Circulate Well To PT Csg....SWIFN...6:00PM To 6:30PM C/ Travl - C/ Travl 5:30AM To 6:00AM, OWU @ 6:00AM, H/ Oiler Pmped 40BW Down Tbg, Conti POOH W/ 90 Jts Tbg Breaking & Inspecting Collars, Applied Liquid O- Ring & Retorqued, MU & RIH W/ XN Arrow Set Injection PKR, TIH W/ 150 Jts, H/ Oiler Pmped 10 BW Down Tbg, Seated Stnd Valve W/ Sandline, 20BW To Fill Tbg, MU Isolation T, PT Tbg To 3000psi, 125psi Loss In 60 Min, RePressured Tbg To 3000psi, No Pressure Loss In 60 Min, Retrieved Stnd Valve, RD Workfloor, NU BOP, MU 3K Injection Tree, Ready Circulate Well To PT Csg....SWIFN...6:00PM To 6:30PM C/ Travl - C/ Travl 5:30AM To 6:00AM, OWU @ 6:00AM, H/ Oiler Pmped 40BW Down Tbg, Conti POOH W/ 90 Jts Tbg Breaking & Inspecting Collars, Applied Liquid O- Ring & Retorqued, MU & RIH W/ XN Arrow Set Injection PKR, TIH W/ 150 Jts, H/ Oiler Pmped 10 BW Down Tbg, Seated Stnd Valve W/ Sandline, 20BW To Fill Tbg, MU Isolation T, PT Tbg To 3000psi, 125psi Loss In 60 Min, RePressured Tbg To 3000psi, No Pressure Loss In 60 Min, Retrieved Stnd Valve, RD Workfloor, NU BOP, MU 3K Injection Tree, Ready Circulate Well To PT Csg....SWIFN...6:00PM To 6:30PM C/ Travl

**Daily Cost:** \$0

**Cumulative Cost:** \$37,462

---

**11/21/2012 Day: 4**

**Conversion**

NC #2 on 11/21/2012 - H/ Oiler Circulated 70BW Down Csg W/ PKR Fluid, Set Injection PKR, PT Csg To 1500psi, GOOD TEST, READY FOR MIT - C/ Travl 5:30AM To 6:00AM, OWU @ 6:00AM, H/ Oiler Circulated 70BW W/ PKR Fluids Down Csg, Set XN Arrow Set PKR CE @ 4703' W/ 1500# Tension, H/ Oiler Pmped 20BW To Fill Csg, PT Csg To 1500psi, 75psi Loss In 30 Min, Repressured Csg To 1500psi, NO PRESSURE LOSS IN 60 Min, GOOD TEST!, X- Over For Rods, RDMOSU....FINAL REPORT! READY FOR MIT!!!! - C/ Travl 5:30AM To 6:00AM, OWU @ 6:00AM, H/ Oiler Circulated 70BW W/ PKR Fluids Down Csg, Set XN Arrow Set PKR CE @ 4703' W/ 1500# Tension, H/ Oiler Pmped 20BW To Fill Csg, PT Csg To 1500psi, 75psi Loss In 30 Min, Repressured Csg To 1500psi, NO PRESSURE LOSS IN 60 Min, GOOD TEST!, X- Over For Rods, RDMOSU....FINAL REPORT! READY FOR MIT!!!! - C/ Travl 5:30AM To 6:00AM, OWU @ 6:00AM, H/ Oiler Circulated 70BW W/ PKR Fluids Down Csg, Set XN Arrow Set PKR CE @ 4703' W/ 1500# Tension, H/ Oiler Pmped 20BW To Fill Csg, PT Csg To 1500psi, 75psi Loss In 30 Min, Repressured Csg To 1500psi, NO PRESSURE LOSS IN 60 Min, GOOD TEST!, X- Over For Rods, RDMOSU....FINAL REPORT! READY FOR MIT!!!! **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$42,317

---

**11/28/2012 Day: 5**

**Conversion**

Rigless on 11/28/2012 - Conduct initial MIT - On 11/26/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/27/2012 the casing was pressured up to 1480 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 450 psig during the test. There was not a State representative available to witness the test. - On 11/26/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/27/2012 the casing was pressured up to 1480 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 450 psig during the test. There was not a State representative available to witness the

test. - On 11/26/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/27/2012 the casing was pressured up to 1480 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 450 psig during the test. There was not a State representative available to witness the test. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$120,951

---

**Pertinent Files: [Go to File List](#)**

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-74392
<b>1. TYPE OF WELL</b> Water Injection Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> FEDERAL 16-22-9-16
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2068 FSL 0649 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 22 Township: 09.0S Range: 16.0E Meridian: S		<b>9. API NUMBER:</b> 43013333940000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 5/7/2013	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 60%;"> <p>The above reference well was put on injection at 1:30 PM on 05/07/2013.</p> </div> <div style="width: 35%; text-align: center;"> <p><b>Accepted by the Utah Division of Oil, Gas and Mining</b></p> <p><b>FOR RECORD ONLY</b></p> <p>May 08, 2013</p> </div> </div>		
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 5/8/2013	

NEWFIELD



October 24, 2006

State of Utah  
Division of Oil, Gas & Mining  
Attn: Diana Whitney  
1594 West North Temple - Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: Application for Permit to Drill  
**Federal 16-22-9-16**

Dear Diana:

Enclosed find an APD on the above referenced well. This will be a directional well drilled off of the proposed Federal 9-22-9-16. If you have any questions, feel free to give either Dave Allred or myself a call.

Sincerely,

A handwritten signature in black ink, appearing to read "Mandie Crozier", written in a cursive style.

Mandie Crozier  
Regulatory Specialist

mc  
enclosures

RECEIVED

OCT 25 2006

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

5. Lease Serial No.

UTU-74392

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA Agreement, Name and No.

N/A

8. Lease Name and Well No.

Federal 16-22-9-16

9. API Well No.

43-013-33394

10. Field and Pool, or Exploratory

Monument Butte 105

11. Sec., T., R., M., or Blk. and Survey or Area

N  
NE/SE Sec. 22, T9S R16E

12. County or Parish

Duchesne

13. State

UT

1a. Type of Work: ☒ DRILL ☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

2. Name of Operator

Newfield Production Company

3a. Address

Route #3 Box 3630, Myton UT 84052

3b. Phone No. (include area code)

(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)

At surface NE/SE 2068' FSL 649' FEL

At proposed prod. zone SE/SE 659' FSL 664' FEL

14. Distance in miles and direction from nearest town or post office\*

Approximatley 19.1 miles southwest of Myton, Utah

15. Distance from proposed\*  
location to nearest  
property or lease line, ft.  
(Also to nearest drig. unit line, if any) Approx. 1981' f/lse, NA f/unit

16. No. of Acres in lease

2080.00

17. Spacing Unit dedicated to this well

40 Acres

18. Distance from proposed location\*  
to nearest well, drilling, completed,  
applied for, on this lease, ft. Approx. 1424'

19. Proposed Depth

6075'

20. BLM/BIA Bond No. on file

UTB000192

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

5800' GL

22. Approximate date work will start\*

1st Quarter 2007

23. Estimated duration

Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature



Name (Printed/Typed)

Mandie Crozier

Date

10/24/06

Title

Regulatory Specialist

Approved by (Signature)



Name (Printed/Typed)

BRADLEY G. HILL

Date

05-07-07

Title

OF ENVIRONMENTAL MANAGER

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

Surf  
577005X  
4429577Y  
40.014779  
- 110.097708

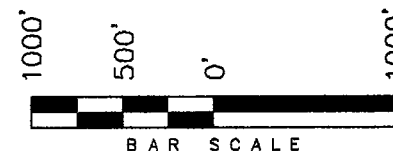
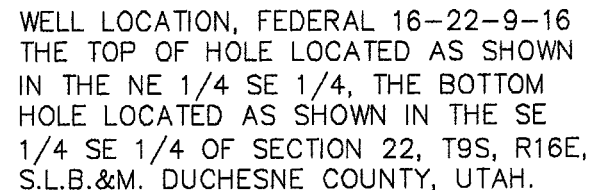
BHL 577006X  
4429148  
40.010915  
- 110.097753

Federal Approval of this  
Action is Necessary

RECEIVED  
OCT 25 2006

DIV. OF OIL, GAS & MINING

**NEWFIELD PRODUCTION COMPANY**



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND  
THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF. No. 189377

STACY W.  
STEWART  
REGISTERED LAND SURVEYOR  
REGISTRATION No. 100373  
STATE OF UTAH

**TRI STATE LAND SURVEYING & CONSULTING**

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

DATE SURVEYED: 04-11-06	SURVEYED BY: C.M.
----------------------------	-------------------

DATE DRAWN: 04-20-06	DRAWN BY: F.T.M.
-------------------------	------------------

REVISED: 06-15-06 F.T.M.	SCALE: 1" = 1000'
-----------------------------	-------------------

 = SECTION CORNERS LOCATED

BASIS OF ELEV;  
U.S.G.S. 7-1/2 min QUAD (MYTON SE)

FEDERAL 16-22-9-16  
(Surface Location) NAD 83  
LATITUDE = 40° 00' 53.27"  
LONGITUDE = 110° 05' 54.15"

**NEWFIELD PRODUCTION COMPANY  
FEDERAL #16-22-9-16  
AT PROPOSED ZONE: SE/SE SECTION 22, T9S, R16E  
AT SURFACE: NE/SE SECTION 22, T9S, R16E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**DRILLING PROGRAM**

**1. GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

**2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' – 2230'
Green River	2230'
Wasatch	6075'

**3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation 2230' – 6075' - Oil

**4. PROPOSED CASING PROGRAM**

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

**5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

Please refer to the Monument Butte Field SOP. See Exhibit "C".

**6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

Please refer to the Monument Butte Field SOP.

**7. AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Please refer to the Monument Butte Field SOP.

**8. TESTING, LOGGING AND CORING PROGRAMS:**

Please refer to the Monument Butte Field SOP.

**9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

**10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

Please refer to the Monument Butte Field SOP.

**NEWFIELD PRODUCTION COMPANY  
FEDERAL #16-22-9-16  
AT PROPOSED ZONE: SE/SE SECTION 22, T9S, R16E  
AT SURFACE: NE/SE SECTION 22, T9S, R16E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Newfield Production Company well location site Federal #16-22-9-16 located at surface in the NE 1/4 SE 1/4 Section 22, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southwesterly - 1.8 miles  $\pm$  to it's junction with an existing road to the southeast; proceed southeasterly - 9.9 miles  $\pm$  to it's junction with an existing road to the southwest; proceed southwesterly - 5.6 miles  $\pm$  to it's junction with the beginning of the proposed access road to the south; proceed southeasterly and then southwesterly - 0.2 miles  $\pm$  to the proposed well location.

**2. PLANNED ACCESS ROAD**

The proposed well will be drilled directionally off of the proposed Federal 9-22-9-16 well pad. See Topographic Map "B" for the location of the proposed access road.

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

**4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

It is proposed that this well will be drilled directionally off of the proposed Federal 9-22-9-16 well pad. All permanent surface equipment will be painted Carlsbad Canyon.

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

**5. LOCATION AND TYPE OF WATER SUPPLY**

Please refer to the Monument Butte Field SOP. See Exhibit "A".

**6. SOURCE OF CONSTRUCTION MATERIALS**

Please refer to the Monument Butte Field SOP.

**7. METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.



8. ANCILLARY FACILITIES

Please refer to the Monument Butte Field SOP.

9. WELL SITE LAYOUT

See attached Location Layout Diagram.

10. PLANS FOR RESTORATION OF SURFACE

Please refer to the Monument Butte Field SOP.

11. SURFACE OWNERSHIP - Bureau Of Land Management (Proposed location and access roads leading to).

12. OTHER ADDITIONAL INFORMATION

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #05-240, 7/25/05. Paleontological Resource Survey prepared by; Wade E. Miller, 9/28/05. See attached report cover pages, Exhibit "D".

For the proposed Federal #16-22-9-16, Newfield Production proposes to drill this location off of the Federal #9-22-9-16 wellpad. Newfield Production Company has previously requested a 350' ROW be granted in Lease UTU-64379 and 720' of disturbed area be granted in Lease UTU-74392 to allow for construction of the proposed access road. **Refer to Topographic Map "B".** For the planned access road a temporary width of 60' will be needed for construction purposes with a permanent width of 30' and a running surface of 18'. The construction phase of the planned access road will last approximately (5) days. The planned access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Newfield Production Company has previously requested a 350' ROW in Lease UTU-64379 and 720' of disturbed area be granted in Lease UTU-74392 to allow for construction of the proposed gas lines leading to the Federal #9-22-9-16. It is proposed that the ROW and disturbed area will temporarily be 50' wide to allow for construction of a 6" gas gathering line, and a 3" poly fuel gas line, with a permanent width of 30' upon completion of the proposed gas lines. The construction phase of the proposed gas lines will last approximately (5) days. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Newfield Production Company has previously requested a 350' ROW in Lease UTU-64379 and 720' of disturbed area be granted in Lease UTU-74392 to allow for construction of the proposed water lines leading to the Federal #9-22-9-16. It is proposed that the ROW and disturbed area will temporarily be 50' wide to allow for construction of a buried 3" steel water injection line and a buried 3" poly water return line, with a permanent width of 30' upon completion of the proposed water return line. The construction phase of the proposed water lines will last approximately (5) days. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

**Water Disposal**

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte.

Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

**Threatened, Endangered, And Other Sensitive Species**

None.

**Reserve Pit Liner**

A 12 mil liner with felt is required. Please refer to the Monument Butte Field SOP.

**Location and Reserve Pit Reclamation**

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Western Wheatgrass	<i>Pascopyrum Smithii</i>	6 lbs/acre
Galletta Grass	<i>Hilaria Jamesii</i>	6 lbs/acre

**Details of the On-Site Inspection**

The proposed Federal #16-22-9-16 was on-sited on 3/22/06. The following were present; Shon McKinnon (Newfield Production), Nate West (Bureau of Land Management), and Brandon McDonald (Bureau of Landmanagement). Weather conditions were clear and ground cover was 100% open.

**13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION**

Representative

Name: Dave Allred  
Address: Route #3 Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #16-22-9-16 SE/SE Section 22, Township 9S, Range 16E: Lease UTU-74392 Uintah County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by US Specialty Insurance #B001832.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

10/24/06

Date

  
Mandie Crozier  
Regulatory Specialist  
Newfield Production Company



**Scientific Drilling**  
Rocky Mountain Operations

Project: Duchesne County, UT  
Site: Federal 16-22-9-16  
Well: Federal 16-22-9-16  
Wellbore: OH  
Design: Plan #2

**Nowfield Exploration Co.**



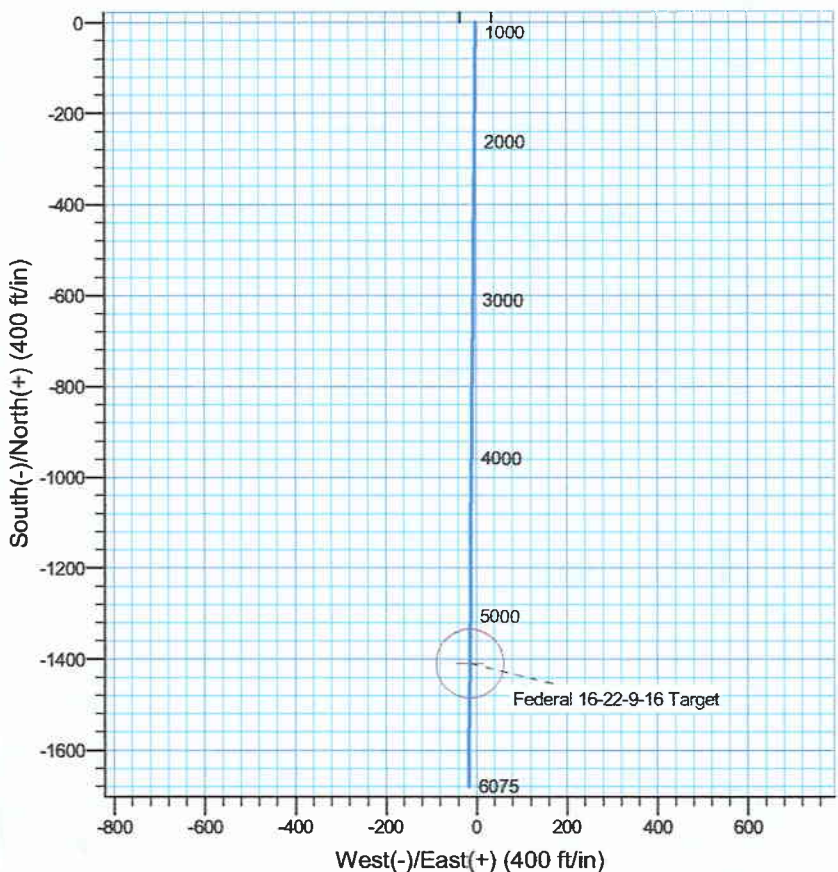
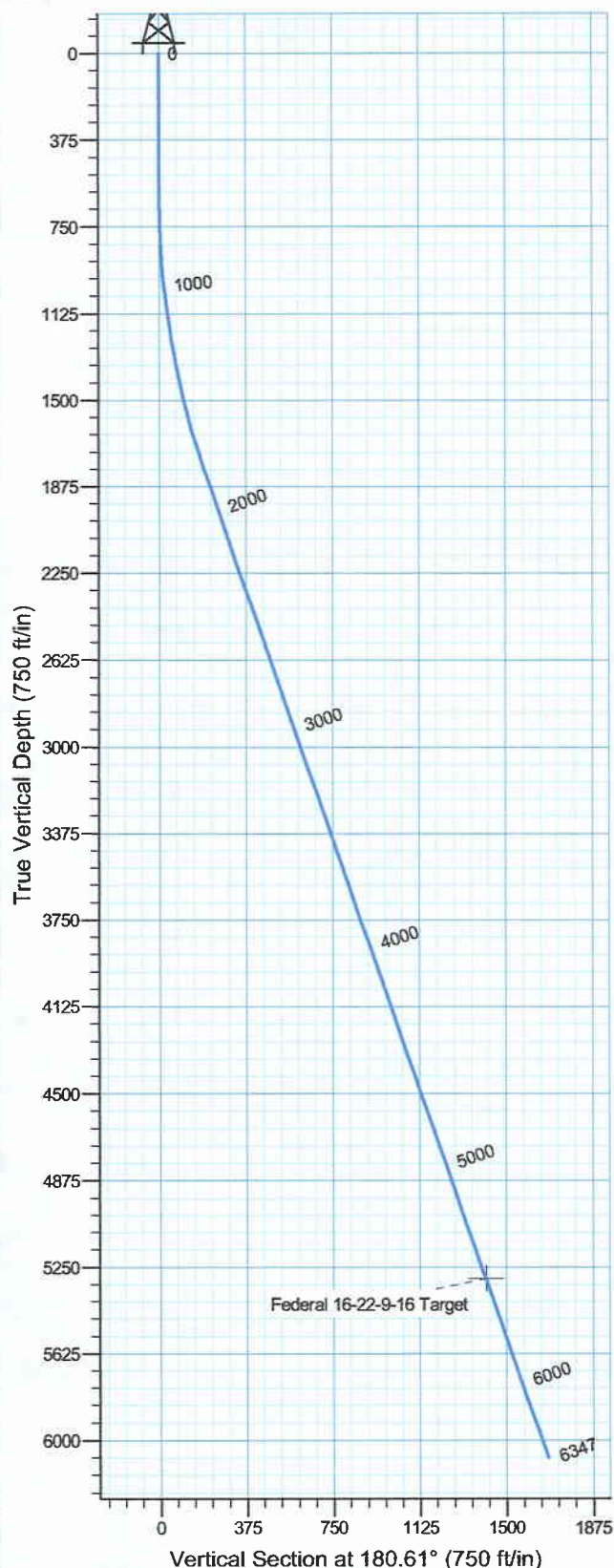
Azimuths to True North  
Magnetic North: 11.91°

Magnetic Field  
Strength: 52724.2nT  
Dip Angle: 65.88°  
Date: 2006-10-20  
Model: IGRF200510

WELL DETAILS: Federal 16-22-9-16

GL 5798' & RKB 15' @ 5813.00ft 5798.00

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	7177203.67	2032965.58	40° 0' 53.270 N	110° 5' 54.150 W



#### FORMATION TOP DETAILS

Formation data is available

Plan: Plan #2 (Federal 16-22-9-16/OH)

Created By: Julie Cruse Date: 2006-10-23

PROJECT DETAILS: Duchesne County, UT

Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: Utah Central Zone

System Datum: Mean Sea Level  
Local North: No north reference data is available

#### SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	
3	1878.06	19.17	180.61	1854.35	-211.82	-2.25	1.50	180.61	211.83	
4	523.90	19.17	180.61	5298.00	-1409.00	-15.00	0.00	0.00	1409.08	Federal 16-22-9-16 Target
5	346.52	19.17	180.61	6075.00	-1679.12	-17.88	0.00	0.00	1679.22	

# **Newfield Exploration Co.**

**Duchesne County, UT**

**Federal 16-22-9-16**

**Federal 16-22-9-16**

**OH**

**Plan: Plan #2**

## **Standard Planning Report**

**23 October, 2006**

# Scientific Drilling Planning Report

**Database:** EDM 2003.14.1.0 Single User Db  
**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT  
**Site:** Federal 16-22-9-16  
**Well:** Federal 16-22-9-16  
**Wellbore:** OH  
**Design:** Plan #2

**Local Co-ordinate Reference:** Well Federal 16-22-9-16  
**TVD Reference:** GL 5798' & RKB 15' @ 5813.00ft  
**MD Reference:** GL 5798' & RKB 15' @ 5813.00ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

<b>Project</b>	Duchesne County, UT		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Central Zone		

Site	Federal 16-22-9-16, Sec. 22 T9S R16E				
Site Position:		Northing:	7,177,203.67 ft	Latitude:	40° 0' 53.270 N
From:	Lat/Long	Easting:	2,032,965.58 ft	Longitude:	110° 5' 54.150 W
Position Uncertainty:	0.00 ft	Slot Radius:	in	Grid Convergence:	0.90 °

Well	Federal 16-22-9-16, SHL: 2068' FSL, 649' FEL					
Well Position	+N-S	0.00 ft	Northing:	7,177,203.67 ft	Latitude:	40° 0' 53.270 N
	+E-W	0.00 ft	Easting:	2,032,965.58 ft	Longitude:	110° 5' 54.150 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,798.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	2006-10-20	11.91	65.88	52,724

Design	Plan #2			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N-S (ft)	+E-W (ft)	Direction (°)
	0.00	0.00	0.00	180.61

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,878.06	19.17	180.61	1,854.35	-211.82	-2.25	1.50	1.50	0.00	180.61	
5,523.90	19.17	180.61	5,298.00	-1,409.00	-15.00	0.00	0.00	0.00	0.00	Federal 16-22-9-16 T:
6,346.52	19.17	180.61	6,075.00	-1,679.12	-17.88	0.00	0.00	0.00	0.00	

# Scientific Drilling

## Planning Report

**Database:** EDM 2003.14.1.0 Single User Db  
**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT  
**Site:** Federal 16-22-9-16  
**Well:** Federal 16-22-9-16  
**Wellbore:** OH  
**Design:** Plan #2

**Local Co-ordinate Reference:** Well Federal 16-22-9-16  
**TVD Reference:** GL 5798' & RKB 15' @ 5813.00ft  
**MD Reference:** GL 5798' & RKB 15' @ 5813.00ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	1.50	180.61	699.99	-1.31	-0.01	1.31	1.50	1.50	0.00
800.00	3.00	180.61	799.91	-5.23	-0.06	5.23	1.50	1.50	0.00
900.00	4.50	180.61	899.69	-11.77	-0.13	11.77	1.50	1.50	0.00
1,000.00	6.00	180.61	999.27	-20.92	-0.22	20.92	1.50	1.50	0.00
1,100.00	7.50	180.61	1,098.57	-32.68	-0.35	32.68	1.50	1.50	0.00
1,200.00	9.00	180.61	1,197.54	-47.02	-0.50	47.03	1.50	1.50	0.00
1,300.00	10.50	180.61	1,296.09	-63.96	-0.68	63.96	1.50	1.50	0.00
1,400.00	12.00	180.61	1,394.16	-83.47	-0.89	83.47	1.50	1.50	0.00
1,500.00	13.50	180.61	1,491.70	-105.53	-1.12	105.54	1.50	1.50	0.00
1,600.00	15.00	180.61	1,588.62	-130.15	-1.39	130.15	1.50	1.50	0.00
1,700.00	16.50	180.61	1,684.86	-157.29	-1.67	157.30	1.50	1.50	0.00
1,800.00	18.00	180.61	1,780.36	-186.94	-1.99	186.95	1.50	1.50	0.00
1,878.06	19.17	180.61	1,854.35	-211.82	-2.25	211.83	1.50	1.50	0.00
1,900.00	19.17	180.61	1,875.07	-219.02	-2.33	219.03	0.00	0.00	0.00
2,000.00	19.17	180.61	1,969.52	-251.86	-2.68	251.87	0.00	0.00	0.00
2,100.00	19.17	180.61	2,063.98	-284.70	-3.03	284.71	0.00	0.00	0.00
2,200.00	19.17	180.61	2,158.43	-317.53	-3.38	317.55	0.00	0.00	0.00
2,300.00	19.17	180.61	2,252.89	-350.37	-3.73	350.39	0.00	0.00	0.00
2,400.00	19.17	180.61	2,347.34	-383.21	-4.08	383.23	0.00	0.00	0.00
2,500.00	19.17	180.61	2,441.79	-416.04	-4.43	416.07	0.00	0.00	0.00
2,600.00	19.17	180.61	2,536.25	-448.88	-4.78	448.91	0.00	0.00	0.00
2,700.00	19.17	180.61	2,630.70	-481.72	-5.13	481.74	0.00	0.00	0.00
2,800.00	19.17	180.61	2,725.16	-514.55	-5.48	514.58	0.00	0.00	0.00
2,900.00	19.17	180.61	2,819.61	-547.39	-5.83	547.42	0.00	0.00	0.00
3,000.00	19.17	180.61	2,914.07	-580.23	-6.18	580.26	0.00	0.00	0.00
3,100.00	19.17	180.61	3,008.52	-613.06	-6.53	613.10	0.00	0.00	0.00
3,200.00	19.17	180.61	3,102.97	-645.90	-6.88	645.94	0.00	0.00	0.00
3,300.00	19.17	180.61	3,197.43	-678.74	-7.23	678.78	0.00	0.00	0.00
3,400.00	19.17	180.61	3,291.88	-711.58	-7.58	711.62	0.00	0.00	0.00
3,500.00	19.17	180.61	3,386.34	-744.41	-7.92	744.45	0.00	0.00	0.00
3,600.00	19.17	180.61	3,480.79	-777.25	-8.27	777.29	0.00	0.00	0.00
3,700.00	19.17	180.61	3,575.25	-810.09	-8.62	810.13	0.00	0.00	0.00
3,800.00	19.17	180.61	3,669.70	-842.92	-8.97	842.97	0.00	0.00	0.00
3,900.00	19.17	180.61	3,764.15	-875.76	-9.32	875.81	0.00	0.00	0.00
4,000.00	19.17	180.61	3,858.61	-908.60	-9.67	908.65	0.00	0.00	0.00
4,100.00	19.17	180.61	3,953.06	-941.43	-10.02	941.49	0.00	0.00	0.00
4,200.00	19.17	180.61	4,047.52	-974.27	-10.37	974.33	0.00	0.00	0.00
4,300.00	19.17	180.61	4,141.97	-1,007.11	-10.72	1,007.17	0.00	0.00	0.00
4,400.00	19.17	180.61	4,236.43	-1,039.94	-11.07	1,040.00	0.00	0.00	0.00
4,500.00	19.17	180.61	4,330.88	-1,072.78	-11.42	1,072.84	0.00	0.00	0.00
4,600.00	19.17	180.61	4,425.33	-1,105.62	-11.77	1,105.68	0.00	0.00	0.00
4,700.00	19.17	180.61	4,519.79	-1,138.46	-12.12	1,138.52	0.00	0.00	0.00
4,800.00	19.17	180.61	4,614.24	-1,171.29	-12.47	1,171.36	0.00	0.00	0.00
4,900.00	19.17	180.61	4,708.70	-1,204.13	-12.82	1,204.20	0.00	0.00	0.00
5,000.00	19.17	180.61	4,803.15	-1,236.97	-13.17	1,237.04	0.00	0.00	0.00
5,100.00	19.17	180.61	4,897.61	-1,269.80	-13.52	1,269.88	0.00	0.00	0.00
5,200.00	19.17	180.61	4,992.06	-1,302.64	-13.87	1,302.71	0.00	0.00	0.00

# Scientific Drilling

## Planning Report

**Database:** EDM 2003.14.1.0 Single User Db  
**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT  
**Site:** Federal 16-22-9-16  
**Well:** Federal 16-22-9-16  
**Wellbore:** OH  
**Design:** Plan #2

**Local Co-ordinate Reference:** Well Federal 16-22-9-16  
**TVD Reference:** GL 5798' & RKB 15' @ 5813.00ft  
**MD Reference:** GL 5798' & RKB 15' @ 5813.00ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,300.00	19.17	180.61	5,086.51	-1,335.48	-14.22	1,335.55	0.00	0.00	0.00
5,400.00	19.17	180.61	5,180.97	-1,368.31	-14.57	1,368.39	0.00	0.00	0.00
5,500.00	19.17	180.61	5,275.42	-1,401.15	-14.92	1,401.23	0.00	0.00	0.00
5,523.90	19.17	180.61	5,298.00	-1,409.00	-15.00	1,409.08	0.00	0.00	0.00
<b>Federal 16-22-9-16 Target</b>									
5,600.00	19.17	180.61	5,369.88	-1,433.99	-15.27	1,434.07	0.00	0.00	0.00
5,700.00	19.17	180.61	5,464.33	-1,466.83	-15.62	1,466.91	0.00	0.00	0.00
5,800.00	19.17	180.61	5,558.79	-1,499.66	-15.97	1,499.75	0.00	0.00	0.00
5,900.00	19.17	180.61	5,653.24	-1,532.50	-16.31	1,532.59	0.00	0.00	0.00
6,000.00	19.17	180.61	5,747.70	-1,565.34	-16.66	1,565.42	0.00	0.00	0.00
6,100.00	19.17	180.61	5,842.15	-1,598.17	-17.01	1,598.26	0.00	0.00	0.00
6,200.00	19.17	180.61	5,936.60	-1,631.01	-17.36	1,631.10	0.00	0.00	0.00
6,300.00	19.17	180.61	6,031.06	-1,663.85	-17.71	1,663.94	0.00	0.00	0.00
6,346.52	19.17	180.61	6,075.00	-1,679.12	-17.88	1,679.22	0.00	0.00	0.00

### Targets

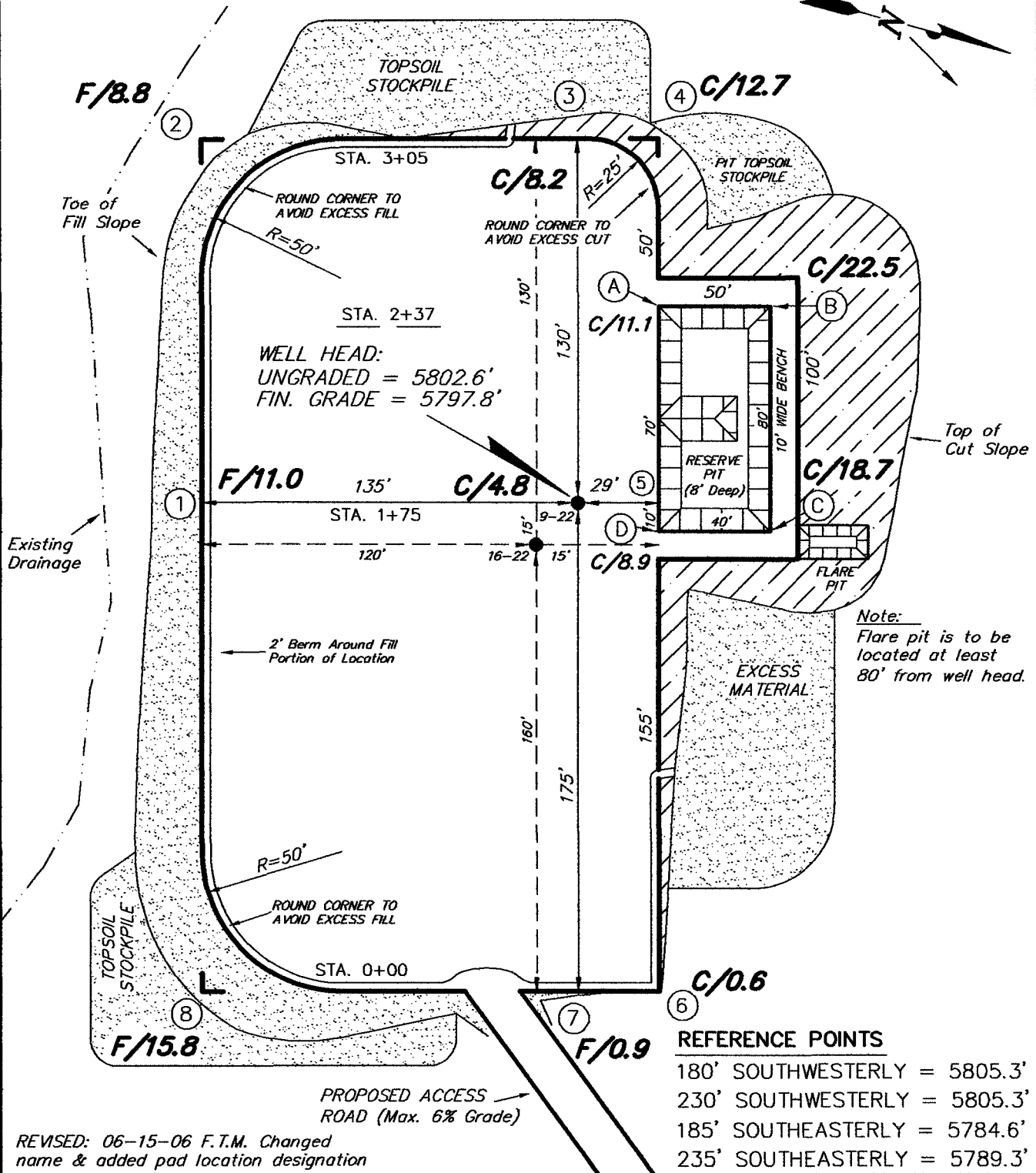
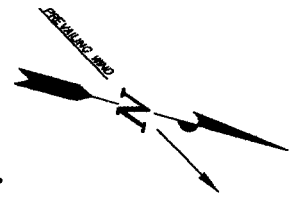
#### Target Name

- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N-S (ft)	+E-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- Shape									
Federal 16-22-9-16 Targ	0.00	0.00	5,298.00	-1,409.00	-15.00	7,175,794.61	2,032,972.66	40° 0' 39.344 N	110° 5' 54.343 W
- plan hits target									
- Circle (radius 75.00)									

# NEWFIELD PRODUCTION COMPANY

FEDERAL 16-22-9-16

Pad Location: NESE Section 22, T9S, R16E, S.L.B.&M.



REVISED: 06-15-06 F.T.M. Changed name & added pad location designation

SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 04-20-06

**Tri State**  
Land Surveying, Inc.

(435) 781-2501

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

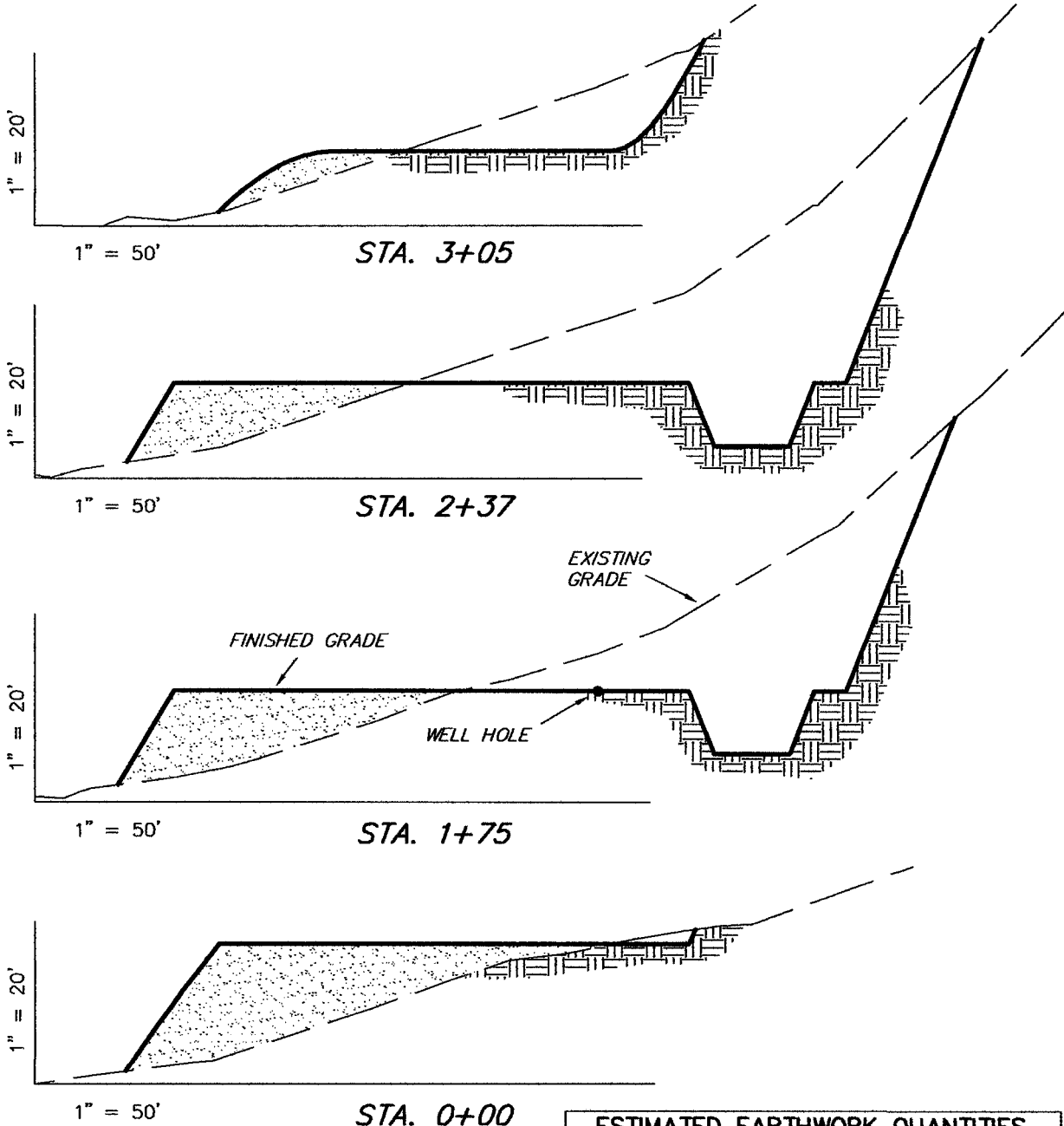


# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS

### FEDERAL 16-22-9-16

Pad Location: NESE Section 22, T9S, R16E, S.L.B.&M.



NOTE:  
UNLESS OTHERWISE NOTED  
CUT SLOPES ARE AT 1:1  
FILL SLOPES ARE AT 1.5:1

REVISED: 06-15-06 F.T.M. Changed  
name & added pad location designation

#### ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	8,970	8,970	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	9,610	8,970	1,310	640

SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 04-20-06

**Tri State**  
Land Surveying, Inc.

(435) 781-2501

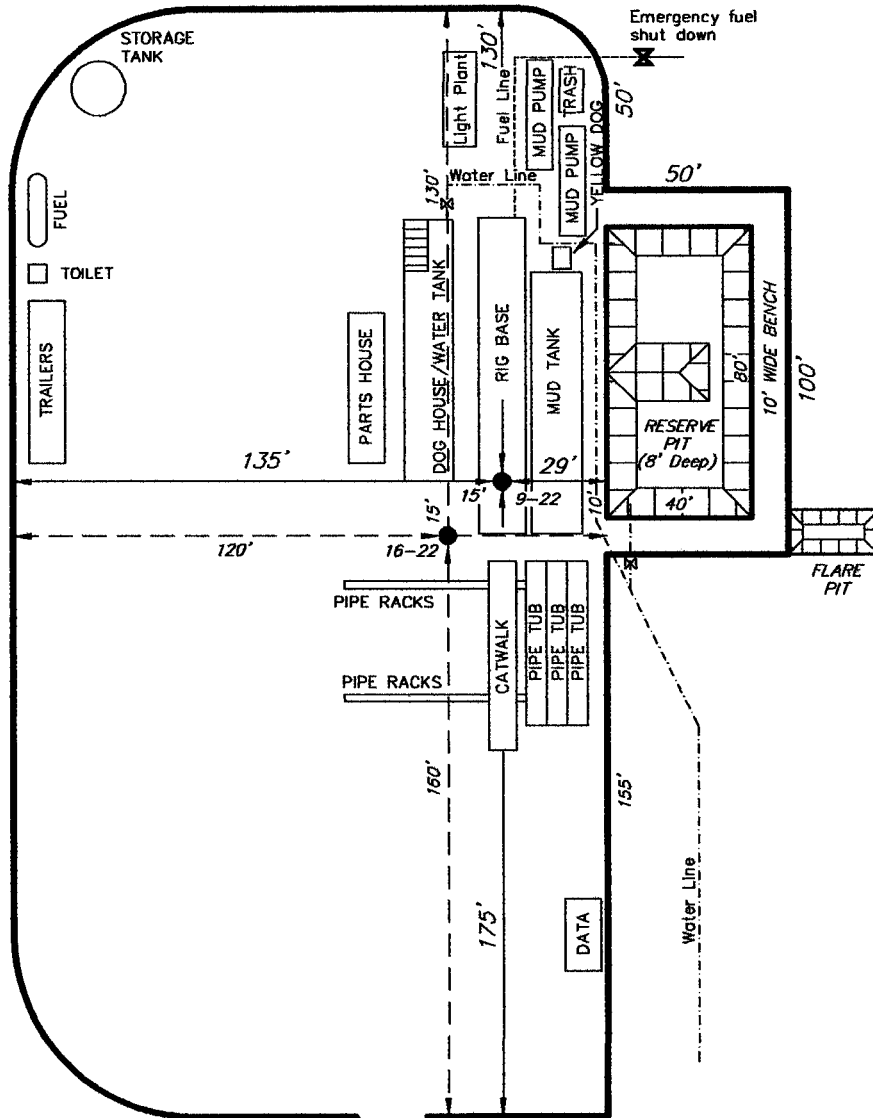
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEWFIELD PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

### FEDERAL 16-22-9-16

Pad Location: NESE Section 22, T9S, R16E, S.L.B.&M.



PROPOSED ACCESS  
ROAD (Max. 6% Grade)

REVISED: 06-15-06 F.T.M. Changed  
name & added pad location designation

SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 04-20-06

**Tri State**  
Land Surveying, Inc.

(435) 781-2501

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# Newfield Production Company Proposed Site Facility Diagram

Federal 16-22-9-16

From the Federal 9-22-9-16 Location

NE/SE Sec. 22, T9S, 16E

Duchesne County, Utah

UTU-74392

Site Security Plan is held at the Pleasant Valley  
Office, Duchesne County Utah

## Production Phase:

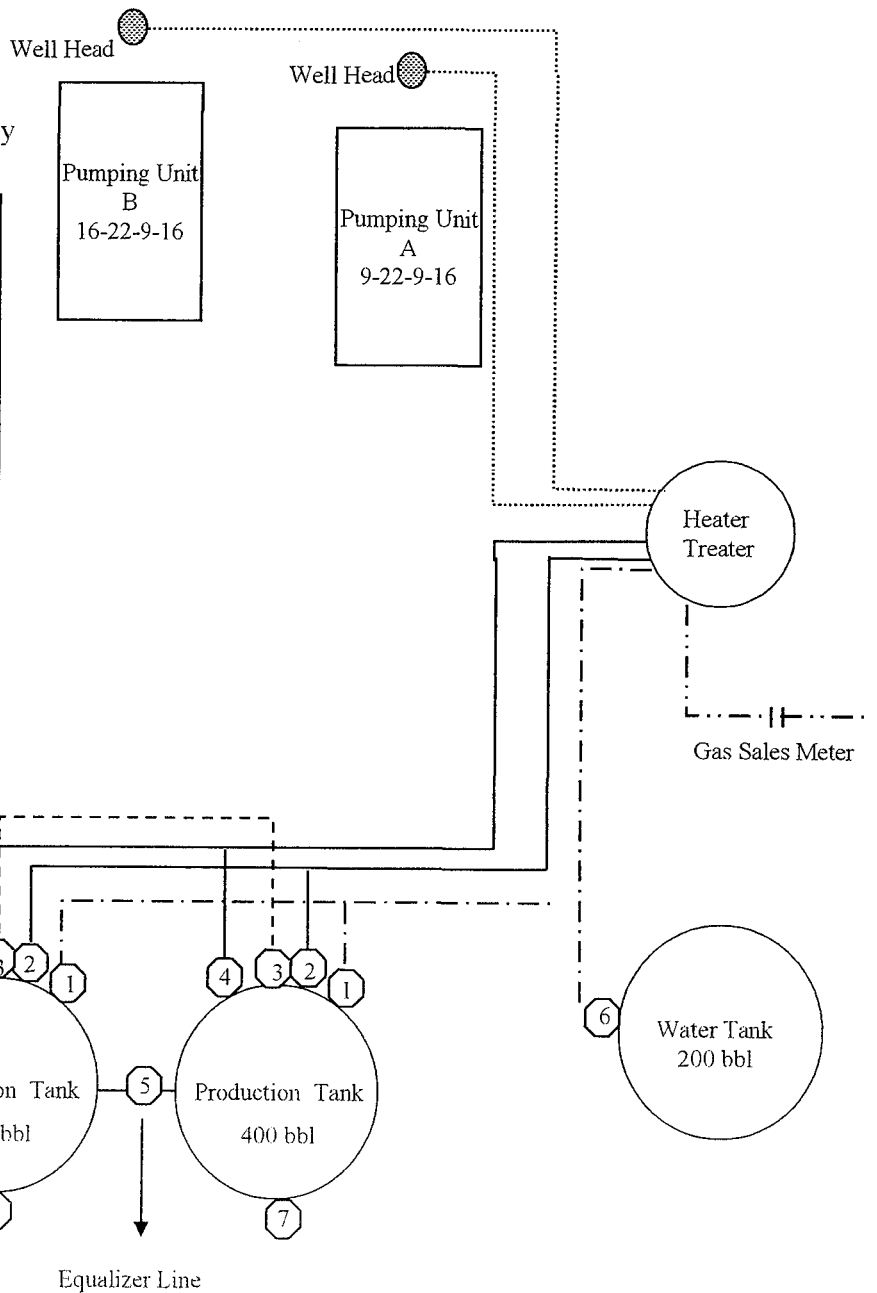
- 1) Valves 1, 3, 6, and 7 sealed closed
- 2) Valves 2, 4, and 5 sealed open

## Sales Phase:

- 1) Valves 1, 2, 4, 5, and 7 sealed closed
- 2) Valves 3 and 6 open

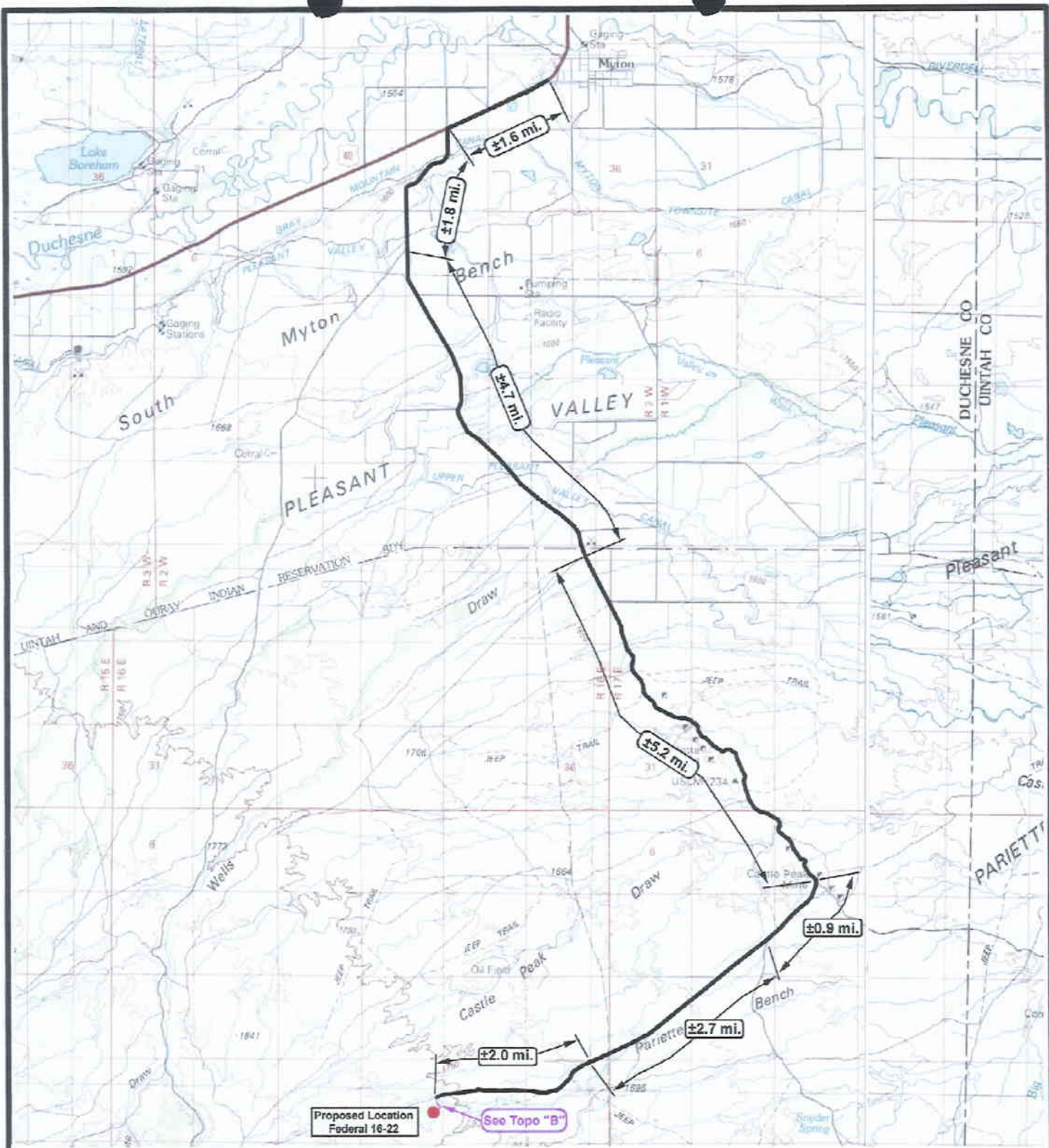
## Draining Phase:

- 1) Valves 1 and 6 open



## Legend

Emulsion Line	.....
Load Line	-----
Water Line	- - - - -
Oil Line	_____
Gas Sales	.....



**NEWFIELD**  
Exploration Company

**Federal 16-22-9-16**  
**SEC. 22, T9S, R16E, S.L.B.&M.**  
**Pad Location: NESE, T9S, R16E S.L.B.&M.**



**Tri-State**  
Land Surveying Inc.  
(435) 781-2501

180 North Vermel Ave. Vermel, Utah 84078

SCALE: 1 = 100,000

DRAWN BY: mw

DATE: 04-24-2006

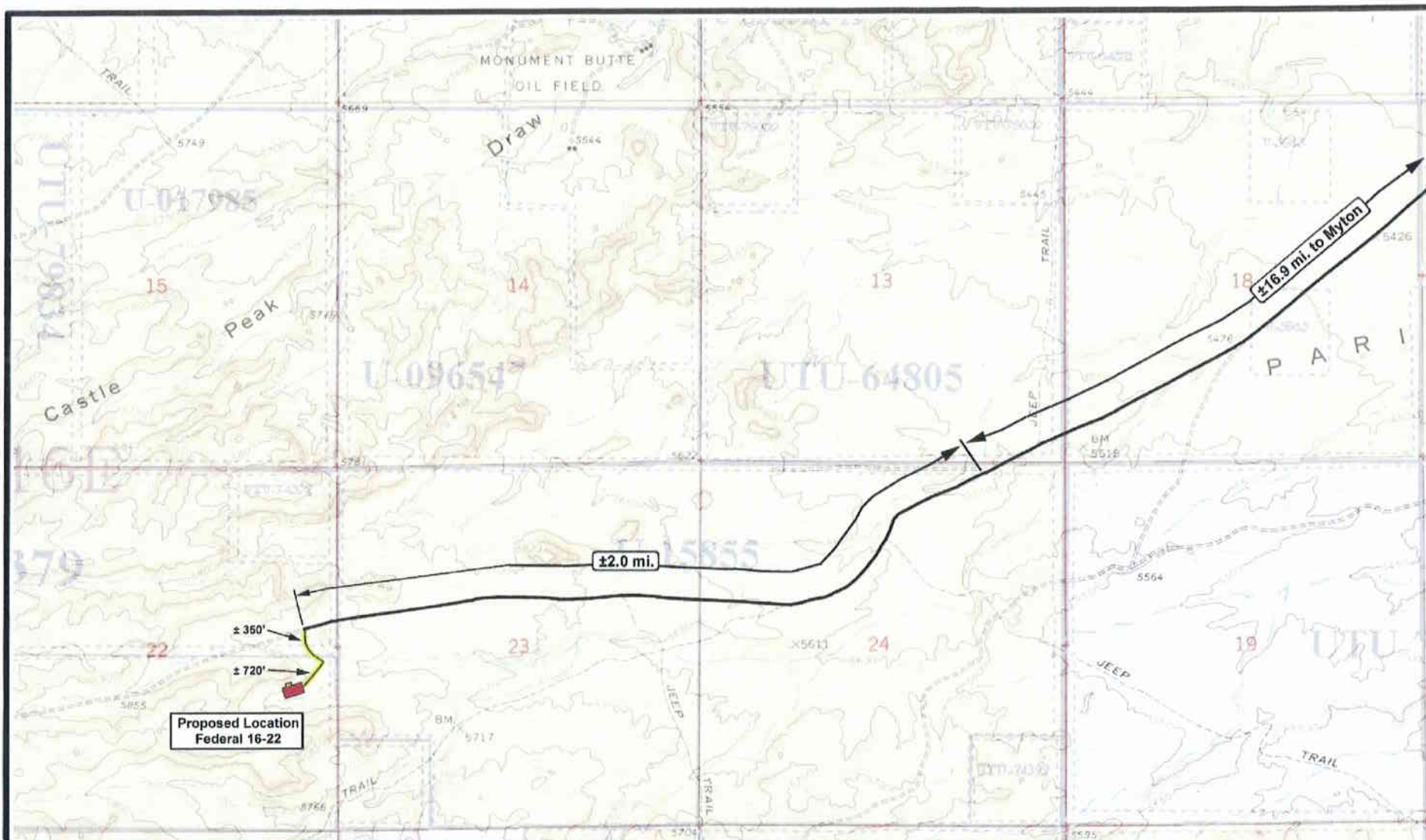
**Legend**


— Existing Road  
— Proposed Access

TOPOGRAPHIC MAP

**"A"**





 **NEWFIELD**  
Exploration Company

**Federal 16-22-9-16**  
**SEC. 22, T9S, R16E, S.L.B.&M.**  
**Pad Location: NESE, T9S, R16E S.L.B.&M.**

 **Tri-State**  
Land Surveying Inc.  
(435) 781-2601  
180 North Vernal Ave. Vernal, Utah 84078

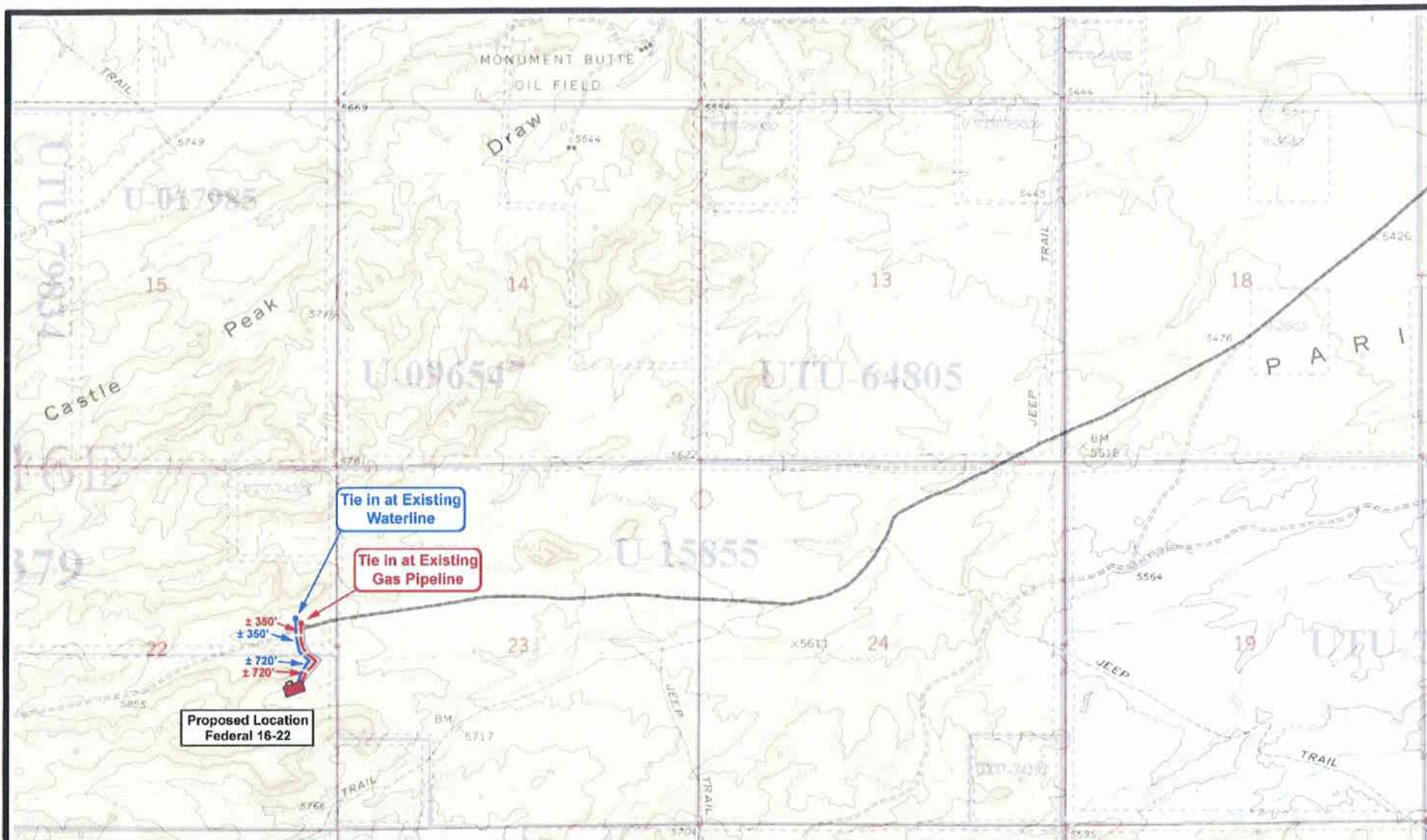
SCALE: 1" = 2,000'  
DRAWN BY: mw  
DATE: 4-24-2006

**Legend**

Existing Road  
Proposed Access

**TOPOGRAPHIC MAP**

**"B"**



**NEWFIELD**  
Exploration Company

**Federal 16-22-9-16**  
**SEC. 22, T9S, R16E, S.L.B.&M.**  
Pad Location: NESE, T9S, R16E S.L.B.&M.

**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
DRAWN BY: mw  
DATE: 04-24-2006

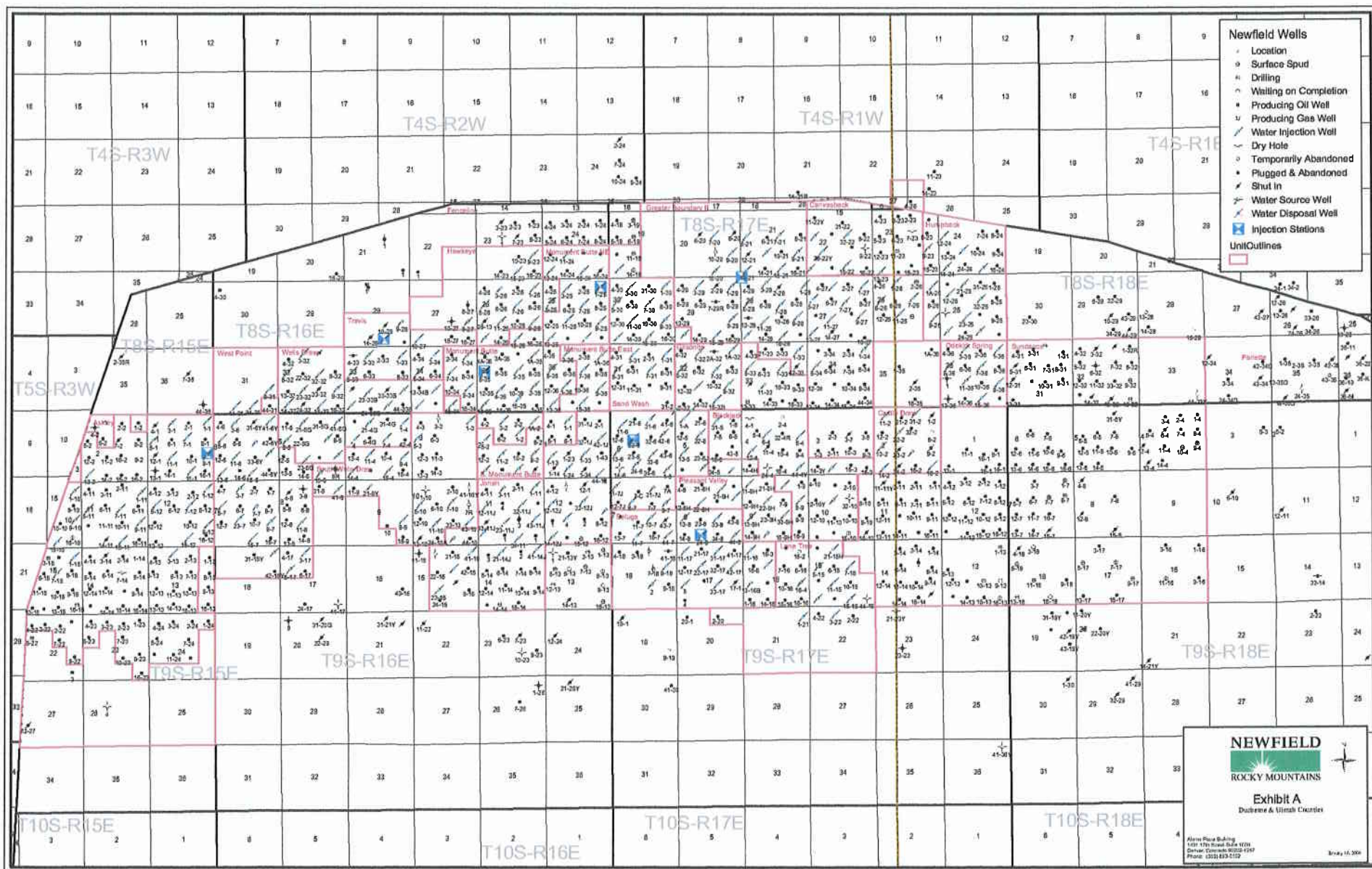
**Legend**

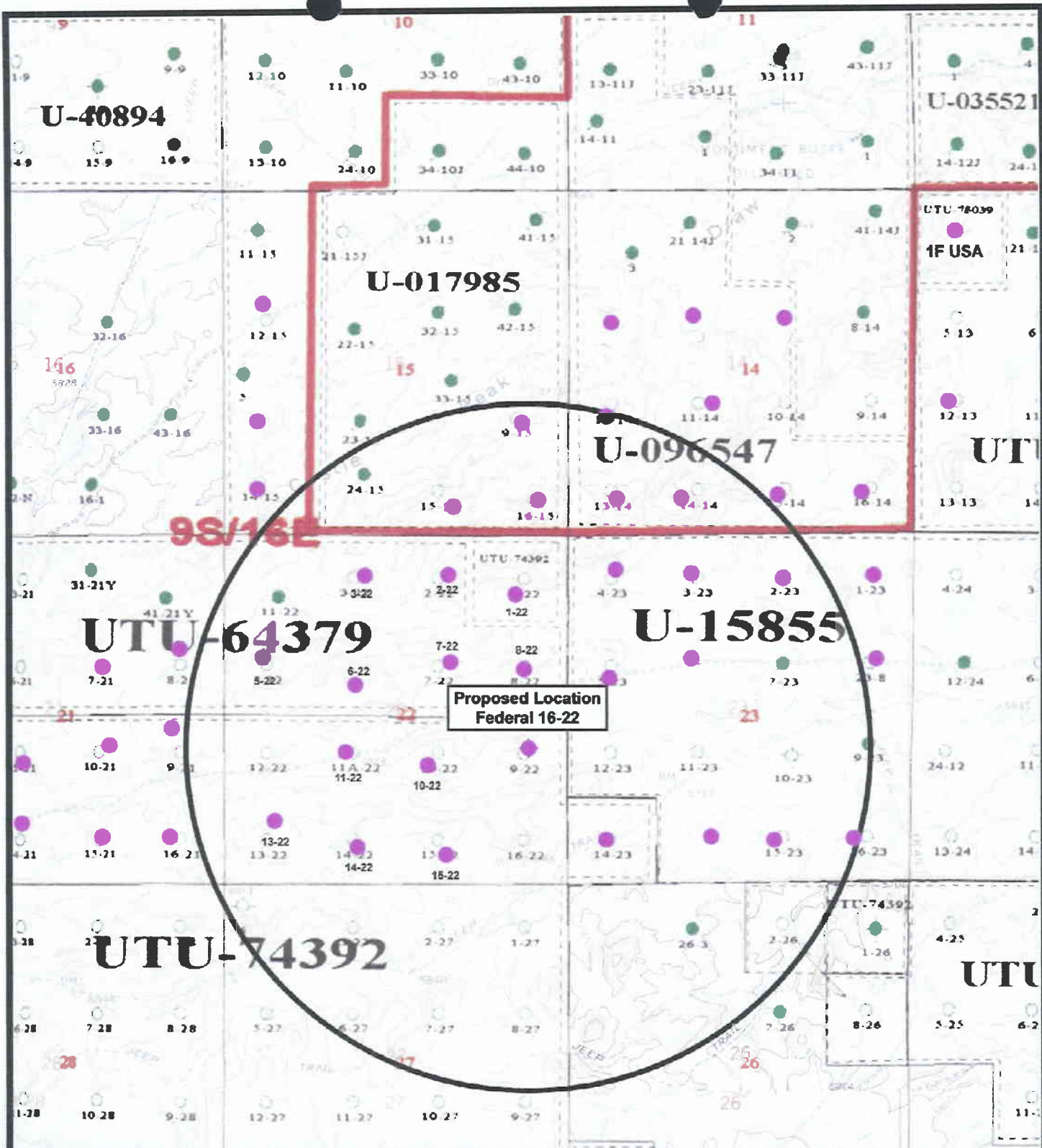
- Roads
- Proposed Gas Line
- Proposed Water Line

**TOPOGRAPHIC MAP**

**"C"**







Proposed Location  
Federal 16-22



**NEWFIELD**  
Exploration Company

**Federal 16-22-9-16**  
**SEC. 22, T9S, R16E, S.L.B.&M.**  
**Pad Location: NESE, T9S, R16E S.L.B.&M.**



*Tri-State*  
*Land Surveying Inc.*  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
DRAWN BY: mw  
DATE: 04-24-2006

**Legend**

- Location
- One-Mile Radius

**Exhibit "B"**



# 2-M SYSTEM

Blowout Prevention Equipment Systems

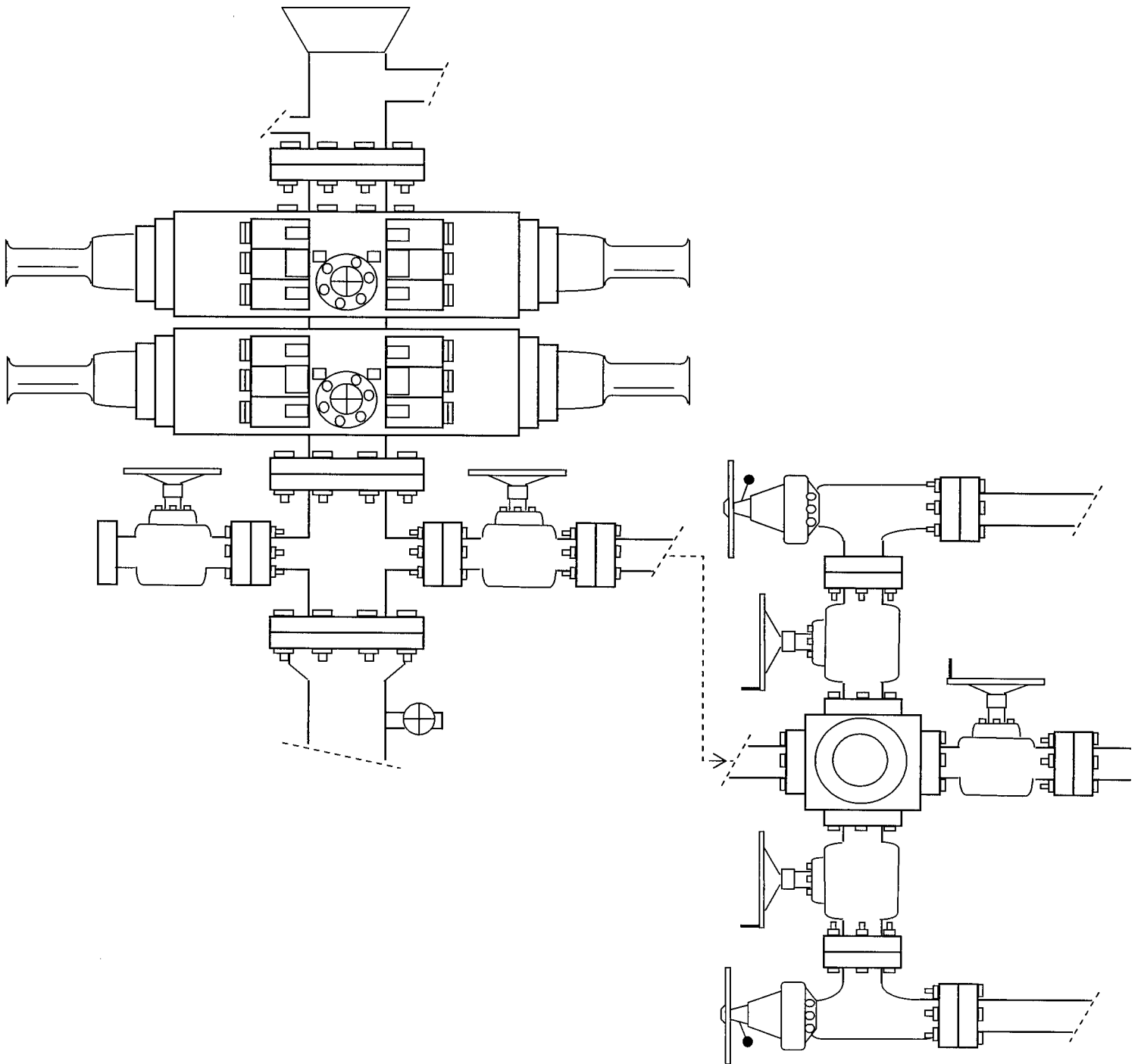


EXHIBIT C

Exhibit "D"  
page 1 of 2

CULTURAL RESOURCE INVENTORY OF  
NEWFIELD EXPLORATION'S BLOCK PARCEL  
IN TOWNSHIP 9S, RANGE 16E, SECTION 21 and 22,  
DUCHESNE COUNTY, UTAH

By:

Katie Simon

Prepared For:

Bureau of Land Management  
Vernal Field Office

Prepared Under Contract With:

Newfield Exploration Company  
Rt. 3 Box 3630  
Myton, UT 84052

Prepared By:

Montgomery Archaeological Consultants, Inc.  
P.O. Box 147  
Moab, Utah 84532

MOAC Report No. 05-240

July 25, 2005

United States Department of Interior (FLPMA)  
Permit No. 05-UT-60122

State of Utah Antiquities Project (Survey)  
Permit No. U-05-MQ-0709b

**NEWFIELD PRODUCTION COMPANY**

**PALEONTOLOGICAL FIELD SURVEY OF PROPOSED  
PRODUCTION DEVELOPMENT AREAS,  
DUCHESNE COUNTY, UTAH**

SW 1/4, SE 1/4, and SW 1/4, Section 9 [9,11,12,13 & 14-9-9-16]; Entire Section 22 (excluding NE 1/4, NE 1/4 & NW 1/4, NW 1/4) [2,3,5 through 16-9-9-16]; Entire Section 23 (excluding SE 1/4, NW 1/4, SW 1/4, NE 1/4, NE 1/4 & NW 1/4, SE 1/4) [1 through 5, 8,11 through 16-9-9-16]; Entire Section 24 (excluding SW 1/4, NW 1/4) [1 through 4, 6 through 16-9-9-16] all in Township 9 South, Range 16 East

**REPORT OF SURVEY**

Prepared for:

**Newfield Production Company**

Prepared by:

Wade E. Miller  
Consulting Paleontologist  
September 28, 2005

**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 10/25/2006

API NO. ASSIGNED: 43-013-33394

WELL NAME: FEDERAL 16-22-9-16

OPERATOR: NEWFIELD PRODUCTION ( N2695 )

PHONE NUMBER: 435-646-3721

CONTACT: MANDIE CROZIER

**PROPOSED LOCATION:**

NESE 22 090S 160E

SURFACE: 2068 FSL 0649 FEL

BOTTOM: 0659 FSL 0664 FEL

COUNTY: DUCHESNE

LATITUDE: 40.01478 LONGITUDE: -110.0977

UTM SURF EASTINGS: 577005 NORTHINGS: 4429577

FIELD NAME: MONUMENT BUTTE ( 105 )

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-74392

PROPOSED FORMATION: GRRV

SURFACE OWNER: 1 - Federal

COALBED METHANE WELL? NO

**RECEIVED AND/OR REVIEWED:**

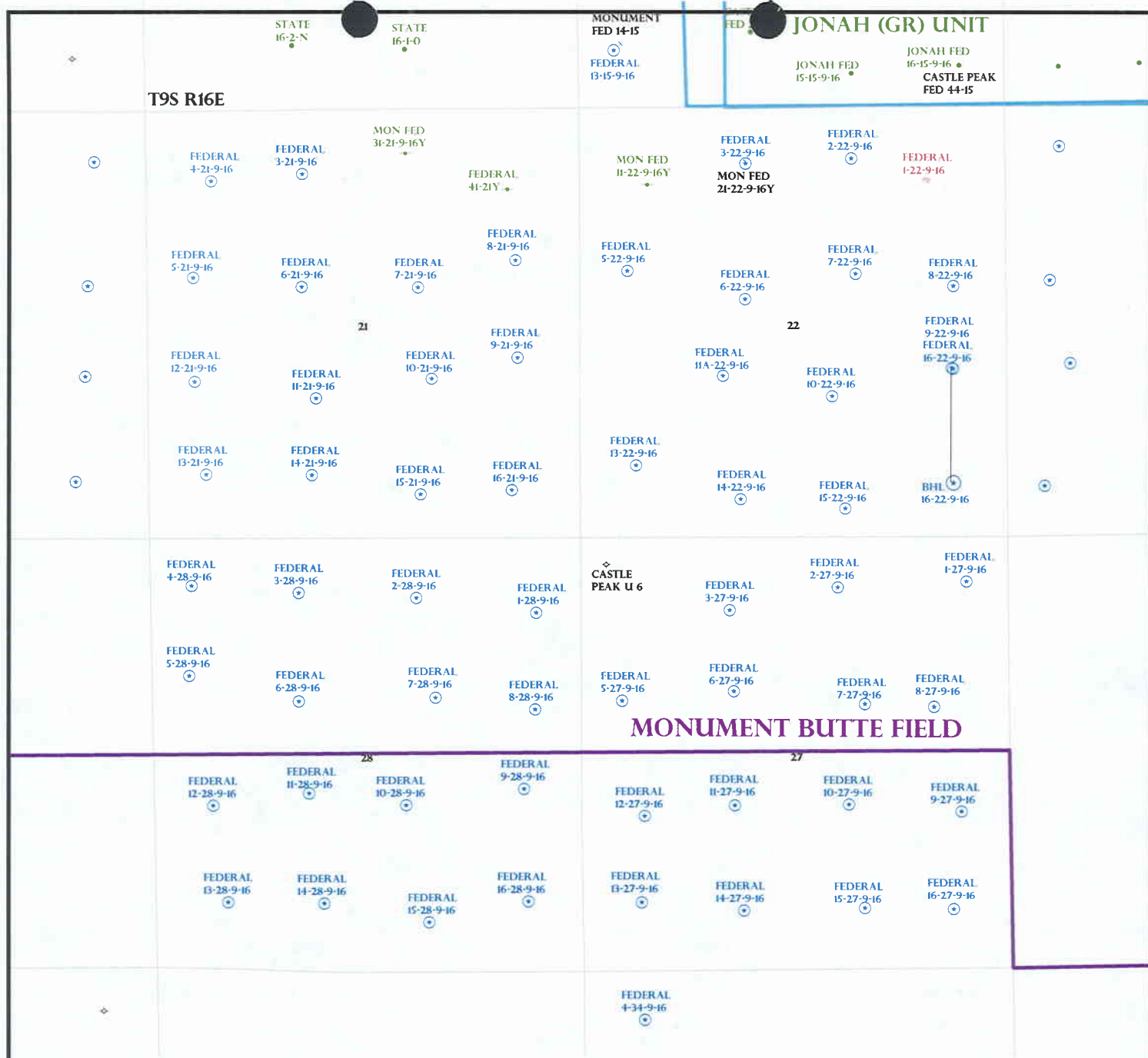
☒ Plat  
☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. UTB000192 )  
☒ Potash (Y/N)  
☒ Oil Shale 190-5 (B) or 190-3 or 190-13  
☒ Water Permit  
(No. MUNICIPAL )  
☒ RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )  
☒ Fee Surf Agreement (Y/N)  
☒ Intent to Commingle (Y/N)

**LOCATION AND SITING:**

\_\_\_\_ R649-2-3.  
Unit: \_\_\_\_\_  
\_\_\_\_ R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells  
\_\_\_\_ R649-3-3. Exception  
\_\_\_\_ Drilling Unit  
Board Cause No: \_\_\_\_\_  
Eff Date: \_\_\_\_\_  
Siting: \_\_\_\_\_  
☒ R649-3-11. Directional Drill

COMMENTS: Sop. Separates file

STIPULATIONS: 1- Federal Approval  
2- Spacing Slip



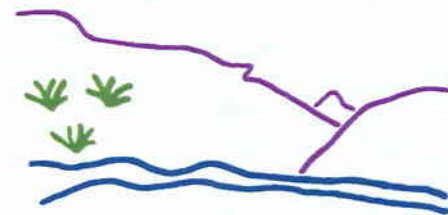
OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 22 T.9S R.16E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

SPACING: R649-3-11 / DIRECTIONAL DRILLING



Utah Oil Gas and Mining



PREPARED BY: DIANA MASON  
DATE: 30-OCTOBER-2006

"New"  
status

Form 3160-3  
(September 2001)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

5. Lease Serial No.  
UTU-74392

6. If Indian, Allottee or Tribe Name  
N/A

7. If Unit or CA Agreement, Name and No.  
N/A

8. Lease Name and Well No.  
Federal 16-22-9-16

9. API Well No.  
43-013-33394

10. Field and Pool, or Exploratory  
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area  
N/ SE/SE Sec. 22, T9S R16E

12. County or Parish  
Duchesne

13. State  
UT

1a. Type of Work: ☒ DRILL ☐ REENTER

OCT 25 2006

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

2. Name of Operator  
Newfield Production Company

BLM VERNAL, UTAH

3a. Address  
Route #3 Box 3630, Myton UT 84052

3b. Phone No. (include area code)  
(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements.)\*  
At surface NE/SE 2068' FSL 649' FEL  
At proposed prod. zone SE/SE 659' FSL 664' FEL

14. Distance in miles and direction from nearest town or post office\*  
Approximatley 19.1 miles southwest of Myton, Utah

15. Distance from proposed\*  
location to nearest  
property or lease line, ft.  
(Also to nearest drig. unit line, if any) Approx. 1981' f/lse, NA f/unit

16. No. of Acres in lease  
2080.00

17. Spacing Unit dedicated to this well  
40 Acres

18. Distance from proposed location\*  
to nearest well, drilling, completed,  
applied for, on this lease, ft. Approx. 1424'

19. Proposed Depth  
6075'

20. BLM/BIA Bond No. on file  
UTB000192

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
5800' GL

22. Approximate date work will start\*  
1st Quarter 2007

23. Estimated duration  
Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature  
*Mandie Crozier*  
Title  
Regulatory Specialist

Name (Printed/Typed)  
Mandie Crozier

Date  
10/24/06

Approved by (Signature)  
*Jerry Kenczka*  
Title  
Assistant Field Manager  
Lands & Mineral Resources

Name (Printed/Typed)  
JERRY KENCZKA  
Office

Date  
3-26-2007

VERNAL FIELD OFFICE

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED  
RECEIVED

MAR 30 2007

DIV. OF OIL, GAS & MINING

No NOS  
02PP1115A



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East VERNAL, UT 84078 (435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

**Company:** Newfield Production Company  
**Well No:** Federal 16-22-9-16  
**API No:** 43-013-33394

**Location:** NESE, Sec 22, T9S, R16E  
**Lease No:** UTU-74392  
**Agreement:** N/A

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	435-781-4490	435-828-4470
Petroleum Engineer:	Michael Lee	435-781-4432	435-828-7875
Petroleum Engineer:	James Ashley	435-781-4470	435-828-7874
Petroleum Engineer:	Ryan Angus	435-781-4430	
Supervisory Petroleum Technician:	Jamie Sparger	435-781-4502	435-828-3913
NRS/Enviro Scientist:	Paul Buhler	435-781-4475	435-828-4029
NRS/Enviro Scientist:	Karl Wright	435-781-4484	
NRS/Enviro Scientist:	Holly Villa	435-781-4404	
NRS/Enviro Scientist:	Melissa Hawk	435-781-4476	435-828-7381
NRS/Enviro Scientist:	Chuck MacDonald	435-781-4441	
NRS/Enviro Scientist:	Jannice Cutler	435-781-3400	
NRS/Enviro Scientist:	Michael Cutler	435-781-3401	
NRS/Enviro Scientist:	Anna Figueroa	435-781-3407	
NRS/Enviro Scientist:	Verlyn Pindell	435-781-3402	
NRS/Enviro Scientist:	Darren Williams	435-781-4447	
NRS/Enviro Scientist:	Nathan Packer	435-781-3405	

**After Hours Contact Number:** 435-781-4513      Fax: 435-781-4410

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a one-year period. An additional year extension may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

Location Construction (Notify NRS/Enviro Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify NRS/Enviro Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supervisory Petroleum Technician)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings
BOP & Related Equipment Tests (Notify Supervisory Petroleum Technician)	-	Twenty-Four (24) hours prior to initiating pressure tests
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days

***SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)***

**General Surface COAs**

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A report will be prepared by a BLM permitted paleontologist and submitted to the AO at the completion of surface disturbing activities.

**Specific Surface COAs**

- Lands in this lease have been identified as containing Golden Eagle habitat. Modifications to the Surface Use Plan of Operations may be required in order to protect the Golden eagle and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- Lands in this lease have been identified as containing Ferruginous Hawk habitat. Modifications to the Surface Use Plan of Operations may be required in order to protect the Golden eagle and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- All applicable local, state, and/or federal laws, regulations, and/or statutes will be complied with.
- All traffic related to this action will be restricted to approved routes. Cross-country vehicle travel will not be allowed.
- No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of three inches deep, the soil shall be deemed too wet to adequately support construction equipment.
- The access road will be crowned and ditched. Flat-bladed roads are not allowed.
- If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. will be needed to control the erosion.
- Low-water crossings will be appropriately constructed to avoid sedimentation of drainage ways and other water resources.
- Pipelines will be buried at all major drainage crossings.
- Prevent fill and stock piles from entering drainages.
- The reserve pit will be lined with a 12 ml or greater liner and felt prior to spudding.
- The liner is to be cut 5 feet below ground surface or at the level of the cuttings, whichever is



deeper, and the excess liner material is to be disposed of at an authorized disposal site.

- When the reserve pit contains fluids or toxic substances, the operator must ensure animals do not ingest or become entrapped in pit fluids.
- If paleontologic or cultural materials are uncovered during construction, the operator shall immediately stop work that might further disturb or move such materials and contact the Authorized Officer (AO) within 48 hours. A determination will be made by the AO as to necessary mitigation for the discovered paleontologic/cultural material.
- If Uinta Basin hookless cactus or other special status plants are found, construction will cease and the AO will be notified to determine the appropriate mitigation.

The interim seed mix for this location shall be:

Western Wheat grass	( <i>Agropyron smithii</i> )	6 lbs/acre
Galleta Grass	( <i>Hilaria jamesii</i> )	6 lbs/acre

All pounds are in pure live seed.  
Rates are set for drill seeding; double the rate if broadcasting.  
Reseeding may be required if initial seeding is not successful.

- The operator will be responsible for treatment and control of invasive and noxious weeds.
- The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be seeded in the same manner as the location topsoil.
- Once the location is plugged and abandoned, it shall be recontoured to natural topology, topsoil shall be respread, and the entire location shall be seeded with a seed mix recommended by the AO (preferably of native origin). Seed application will follow all guidelines in the interim seed mix bullet statement above. If reclamation seeding should take place using the broadcast method, the seed at a minimum will be walked into the soil with a dozer immediately after the seeding is completed.
- The authorized officer may prohibit surface disturbing activities during severe winter conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- The authorized officer may prohibit surface disturbing activities during wet or muddy conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- All well facilities not regulated by OSHA will be painted Olive Black.
- All boulders with a length or diameter greater than 3 feet, that are found showing at the surface, will be stockpiled for use during final reclamation.
- Notify the Authorized Officer 48 hours prior to surface disturbing activities.

## **DOWNHOLE CONDITIONS OF APPROVAL**

### **SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL**

- A complete set of angular deviation and directional surveys of this directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

### **DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or

data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.



May 2, 2007

Ms. Diana Mason  
Utah Division of Oil, Gas and Mining  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

Re: Directional Drilling R649-3-11  
Federal 16-22-9-16  
Sec. 22-9S-16E  
UTU-74392  
Duchesne County, Utah

Dear Ms. Mason:

Pursuant to the filing of Newfield Production Company's (hereinafter "NPC") Application for Permit to Drill dated 10/24/2006 (copy enclosed herewith) which concerns the well described below, NPC is hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to Directional Drilling.

Federal 16-22-9-16  
Lease UTU-74392  
2068' FSL, 649' FEL (surface) NESE Sec. 22-9S-16E  
659' FSL, 664' FEL (bottomhole) SESE Sec. 22-9S-16E

This drillsite location is located on Federal Lease #UTU-74392. NPC is permitting this well as a directional well in order to minimize surface disturbance. By locating the well at the surface location described and directionally drilling from this location, NPC will be able to utilize the existing roads and pipelines in the area.

Furthermore, NPC, Yates Petroleum Corporation, Yates Drilling Company, Myco Industries, Inc. and Abo Petroleum Corporation are the only working interest owners within 460 feet of the entire directional well bore as well as the entire Federal Lease #UTU-74392. Yates, et al has provided their consent to the location, and a copy of the consent is attached hereto.

Therefore, based on the above stated information NPC requests the permit be granted pursuant to R649-3-11. Thank you for your consideration in this matter.

Sincerely,

A handwritten signature in cursive script that reads "Marie Liley".

Marie Liley  
Land Associate

**RECEIVED**  
**MAY 04 2007**

**DIV. OF OIL, GAS & MINING**

04/18/2007 14:01 3033824454

NEWFIELD ROCKY MTNS

PAGE 03

Fax to: 303-893-0103  
Newfield Production Company  
Attn: Rhonda Deimer

**Exception Locations:**

Federal 16-22-9-16

UTU-74392, Duchesne County, Utah

Please be advised that Yates Petroleum Corporation, Yates Drilling Company, Myco Industries, Inc. and Abo Petroleum Corporation do not have an objection to the proposed locations of the aforementioned wells.

By: Ernest L. CarrollDate: 4-24-07

ERNEST L. CARROLL Senior Landman  
Print Name and Title

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

5. Lease Serial No.

UTU-74392

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA Agreement, Name and No.

N/A

8. Lease Name and Well No.

Federal 16-22-9-16

9. API Well No.

10. Field and Pool, or Exploratory  
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area

SE/SE Sec. 22, T9S R10E

12. County or Parish

Duchesne

13. State

UT

1a. Type of Work: ☒ DRILL

☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other

☒ Single Zone ☐ Multiple Zone

2. Name of Operator

Newfield Production Company

3a. Address

Route #3 Box 3630, Myton UT 84052

3b. Phone No. (include area code)

(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)

At surface NE/SE 2068' FSL 649' FEL

At proposed prod. zone SE/SE 659' FSL 664' FEL

14. Distance in miles and direction from nearest town or post office\*

Approximately 19.1 miles southwest of Myton, Utah

15. Distance from proposed\*

location to nearest  
property or lease line, ft.  
(Also to nearest drig. unit line, if any) Approx. 1961' Mee, NA /unit

16. No. of Acres in lease

2080.00

17. Spacing Unit dedicated to this well

40 Acres

18. Distance from proposed location\*

to nearest well, drilling, completed,  
applied for, on this lease, ft. Approx. 1424'

19. Proposed Depth

6075'

20. BLM/BIA Bond No. on file

UTB000192

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

5800' GL

22. Approximate date work will start\*

1st Quarter 2007

23. Estimated duration

Approximately seven (7) days from start to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.

2. A Drilling Plan.

3. A Surface Use Plan (if the location is on National Forest System Lands, the  
SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see  
Item 20 above).

5. Operator certification.

6. Such other site specific information and/or plans as may be required by the  
authorized officer.

25. Signature

Name (Printed/Typed)

Date

Mandie Crozier

10/24/06

Title

Regulatory Specialist

Approved by (Signature)

Name (Printed/Typed)

Date

Title

Office

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct  
operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United  
States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

RECEIVED

MAY 04 2007

DIV. OF OIL, GAS & MINING



**NEWFIELD PRODUCTION COMPANY**

A horizontal bar scale with alternating black and white segments. Above the bar, the markings 1000', 500', 0', and 1000' are printed from left to right. Below the bar, the text "BAR SCALE" is printed.

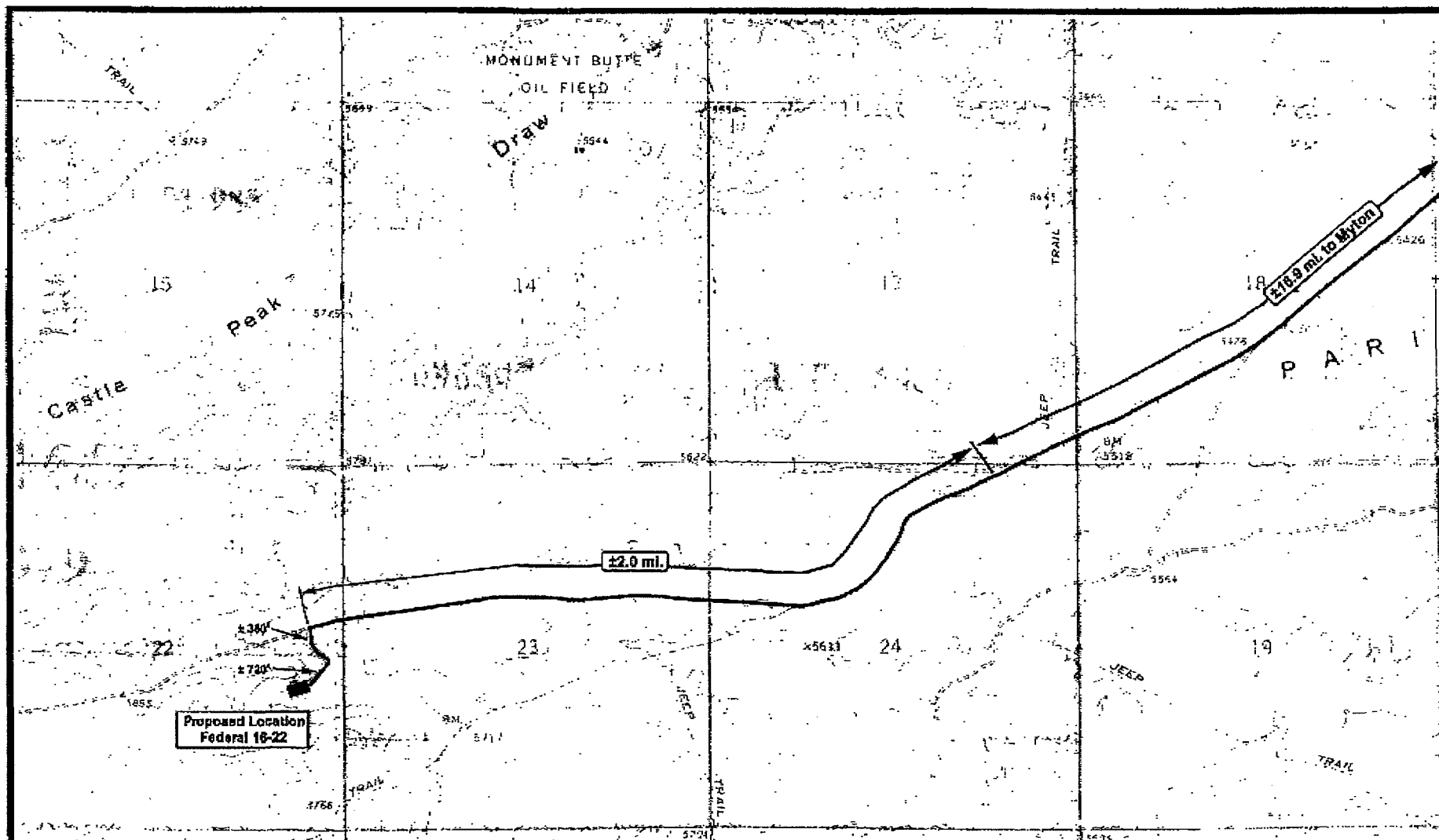
STACY W  
STEWART  
REGISTERED LAND SURVEYOR  
REGISTRATION No. 90238  
STATE OF UTAH

DATE SURVEYED: 04-11-06	SURVEYED BY: C.M.
DATE DRAWN: 04-20-06	DRAWN BY: F.T.M.
REVISED: 06-15-06 F.T.M.	SCALE: 1" = 1000'



BASIS OF ELEV;  
U.S.G.S. 7-1/2 min QUAD (MYTON SE)

FEDERAL 16-22-9-16  
(Surface Location) NAD 83  
LATITUDE = 40° 00' 53.27"  
LONGITUDE = 110° 05' 54.15"



CRAWFORD  
Exploration Company

Federal 16-22-9-16

SEC. 22, T9S, R16E, S.1.B. & M.

Proposed Location NESE, T9S, R16E S.1.B. & M.



*Tri-State*  
Land Surveying Inc.  
(438) 781-2501

180 North Vernal Ave. Vernal, Utah 84073

SCALE: 1" = 2,000'

DRAWN BY: ntw

DATE: 4-24-2005

**Legend**

Existing Road  
Proposed Access

TOPOGRAPHIC MAP

"B"



**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

May 7, 2007

Newfield Production Company  
Rt. #3, Box 3630  
Myton, UT 84052

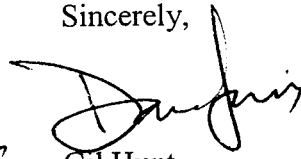
Re: Federal 16-22-9-16 Well, Surface Location 2068' FSL, 649' FEL, NE SE,  
Sec. 22, T. 9 South, R. 16 East, Bottom Location 659' FSL, 664' FEL, SE SE,  
Sec. 22, T. 9 South, R. 16 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-33394.

Sincerely,

  
Gil Hunt  
Associate Director

pab  
Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal Office

Operator: Newfield Production Company  
Well Name & Number Federal 16-22-9-16  
API Number: 43-013-33394  
Lease: UTU-74392

Surface Location: NE SE Sec. 22 T. 9 South R. 16 East  
Bottom Location: SE SE Sec. 22 T. 9 South R. 16 East

### Conditions of Approval

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### 2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281

#### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.
5. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.
6. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

## DIVISION OF OIL, GAS AND MINING

### ***SPUDDING INFORMATION***

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: FEDERAL 16-22-9-16

Api No: 43-013-33394 Lease Type: FEDERAL

Section 22 Township 09S Range 16E County DUCHESNE

Drilling Contractor NDSI RIG # NS#1

### **SPUDDED:**

Date 08/27/07

Time 12:00 NOON

How DRY

***Drilling will Commence:*** \_\_\_\_\_

Reported by DELL RAY

Telephone # \_\_\_\_\_

Date 08/27/07 Signed CHD

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY  
ADDRESS: RT. 3 BOX 3530  
MYTON, UT 84052

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	12417	4301333290	LONE TREE FED 5-21-9-17	SWNW	21	9S	17E	DUCHESNE	8/22/2007	8/28/07
WELL 1 COMMENTS: <i>GRUV Unit</i>											
B	99999	12417	4301333289	LONE TREE FED 6-21-9-17	SENW	21	9S	17E	DUCHESNE	8/23/2007	8/28/07
WELL 2 COMMENTS: <i>GRUV</i>											
	99999	16325	4301332770	ASHLEY 4-27-9-15	NWNW	27	9S	15E	DUCHESNE	8/25/2007	8/28/07
WELL 3 COMMENTS: <i>MNCS</i>											
A	99999	16326	4301333189	FEDERAL 2-19-9-17	NWNE	19	9S	17E	DUCHESNE	8/28/2007	8/28/07
WELL 4 COMMENTS: <i>GRUV</i>											
A	99999	16327	4301333394	FEDERAL 16-22-9-16	NESE	22	9S	16E	DUCHESNE	8/27/2007	8/28/07
WELL 5 COMMENTS: <i>GRUV</i>											
A	99999	16328	4301333174	FEDERAL 5-19-9-16	SWNW	19	9S	16E	DUCHESNE	8/29/2007	8/28/07
WELL 6 COMMENTS: <i>GRUV</i>											

ACTION CODES (See instructions on back of form)

- A - 1 new entity for new well (single well only)
- B - well to existing entity (group or unit well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - shut (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

*[Signature]* Jentri Park  
Signature  
Production Clerk August 29, 2007  
Date

DIV. OF OIL, GAS & MINING

AUG 28 2007

RECEIVED

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone (include area code)

435 646,3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2068 FSL 649 FEL

NESE Section 22 T9S R16E

5. Lease Serial No.

USA UTU-74392

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

8. Well Name and No.

FEDERAL 16-22-9-16

9. API Well No.

4301333394

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Spud Notice _____
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 8/27/07 MIRU NDSI NS#1.Spud well @ 12:00pm. Drill 310' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 305.61' On 8/31/07 cement with 160 sks of class "G" w/ 3% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 6 bbls cement to pit. WOC.

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Don Bastian

Signature

Title

Drilling Foreman

Date

08/31/2007

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

RECEIVED

SEP 06 2007

DIV. OF OIL, GAS & MINING



# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 305.61

LAST CASING 8 5/8" SET AT 305.61'  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 310' LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4

OPERATOR NewField Production Company  
 WELL Federal 16-22-9-16  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # NDSI NS #1

**LOG OF CASING STRING:**

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Shoe Joint 39.84'					
		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	293.76
		GUIDE shoe			8rd	A	0.9
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			295.61
TOTAL LENGTH OF STRING		295.61	7	LESS CUT OFF PIECE			2
LESS NON CSG. ITEMS		1.85		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		0		CASING SET DEPTH			305.61
TOTAL		293.76	7	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		293.84	7				
TIMING		1ST STAGE					
BEGIN RUN CSG.		Spud 8/27/2007	12:00PM	GOOD CIRC THRU JOB			Yes
CSG. IN HOLE		8/28/2007	8:30 AM	Bbls CMT CIRC TO SURFACE			6
BEGIN CIRC		8/31/2007	9:15 AM	RECIPROCATED PIPE FOR			THRU FT STROKE
BEGIN PUMP CMT		8/31/2007	9:24 AM				N/A
BEGIN DSPL. CMT		8/31/2007	9:38 AM	BUMPED PLUG TO			120 PSI
PLUG DOWN		8/31/2007	9:53 AM				
CEMENT USED		CEMENT COMPANY- B. J.					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	160	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield					
CENTRALIZER & SCRATCHER PLACEMENT			SHOW MAKE & SPACING				
Centralizers - Middle first, top second & third for 3							

COMPANY REPRESENTATIVE Don Bastian DATE 8/31/2007

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.



1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone (include area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
2068 FSL 649 FEL  
NESE Section 22 T9S R16E

5. Lease Serial No.  
USA UTU-74392

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

8. Well Name and No.  
FEDERAL 16-22-9-16

9. API Well No.  
4301333394

10. Field and Pool, or Exploratory Area  
MONUMENT BUTTE

11. County or Parish, State  
DUCHESNE, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report _____
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

9/14/07  
On 8/6/07 MIRU NDSI Rig # 2. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 265'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6,075' & TVD 5820'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 151 jt's of 5.5 J-55, 15.5# csgn. Set @ 6051.01' / KB. Cement with 350 sks cement mixed @ 11.0 ppg & 3.49 yld. Then 500 sks cement mixed @ 14.4 ppg & 1.24 yld. With 44 bbls cement returned to pit. Nipple down Bop's. Drop slips @ 100,000 #'s tension. Release rig 4:30 PM 9/14/07.

RECEIVED

SEP 19 2007

DIV. OF OIL, GAS & MINING

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Alvin Nielsen

Signature

Title

Drilling Foreman

Date

09/15/2007

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 6051.01

Flt cllr @ 6036.31

LAST CASING 8 5/8" SET # 305.61'

OPERATOR Newfield Production Company

DATUM 12' KB

WELL Federal 16-22-9-16

DATUM TO CUT OFF CASING 12'

FIELD/PROSPECT Monument Butte

DATUM TO BRADENHEAD FLANGE \_\_\_\_\_

CONTRACTOR & RIG # NDSI #2

TD DRILLER 6075' Loggers 6065'

TVD= 5820'

HOLE SIZE 7 7/8"

## LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH	
		Landing Jt					14	
		Short jt 3651' (6.20')						
151	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	6022.31	
		Float collar					0.6	
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	15.45	
		GUIDE shoe			8rd	A	0.65	
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING				6053.01
TOTAL LENGTH OF STRING		6053.01	152	LESS CUT OFF PIECE				14
LESS NON CSG. ITEMS		15.25		PLUS DATUM TO T/CUT OFF CSG				12
PLUS FULL JTS. LEFT OUT		79.05	2	CASING SET DEPTH				6051.01
TOTAL		6116.81	154	} COMPARE				
TOTAL CSG. DEL. (W/O THRDS)		6116.81	154					
TIMING		1ST STAGE	2nd STAGE					
BEGIN RUN CSG.		9/14/2007	4:00 AM	GOOD CIRC THRU JOB				YES
CSG. IN HOLE		9/14/2007	8:00 AM	Bbls CMT CIRC TO SURFACE				44
BEGIN CIRC		9/14/2007	8:00 AM	RECIPROCATED PIPE FOR				THRUSTROKE NA
BEGIN PUMP CMT		9/14/2007	10:16 AM	DID BACK PRES. VALVE HOLD ?				YES
BEGIN DSPL. CMT		9/14/2007	11:20 AM	BUMPED PLUG TO				2150 PSI
PLUG DOWN		9/14/2007	11:47 AM					
CEMENT USED		CEMENT COMPANY- B. J.						
STAGE	# SX	CEMENT TYPE & ADDITIVES						
1	350	Premlite II w/ 10% gel + 3 % KCL, 3#'s /sk CSE + 2# sk/kolseal + 1/2#'s/sk Cello Flake						
		mixed @ 11.0 ppg W / 3.49 cf/sk yield						
2	525	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD						
CENTRALIZER & SCRATCHER PLACEMENT			SHOW MAKE & SPACING					
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.								

COMPANY REPRESENTATIVE Alvin Nielsen

DATE 9/14/2007

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 6

**ENTITY ACTION FORM**Operator: Wolverine Gas and Oil Company of Utah, LLCOperator Account Number: N 1655Address: 55 Campau NW, One Riverfront Plazacity Grand Rapidsstate MIzip 49503-2616Phone Number: (616) 458-1150**Well 1**

API Number	Well Name	Sec	Sec	Twp	Rng	County
4303930030	Wolverine Federal Arapien Valley 24-1	SWNW	24	20S	1E	Sanpete
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
A	99999	16417	10/3/2007	10/17/07		
Comments: <u>set conductor 10/3/2007; projected drig rig move in 11/15/2007</u> <u>N:7VA</u>						

**CONFIDENTIAL****Well 2**

API Number	Well Name	Sec	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
Comments:						

**Well 3**

API Number	Well Name	Sec	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
Comments:						

**ACTION CODES:**

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Steven R Hash - EXACT Engineering Inc

Name (Please Print)

Steven R. Hash

Signature

Engineering Consultant

10/3/2007

Title

Date

(5/2000)

**RECEIVED****OCT 03 2007**

DIV. OF OIL, GAS &amp; MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2068 FSL 649 FEL

NESE Section 22 T9S R16E

5. Lease Serial No.

USA UTU-74392

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

8. Well Name and No.

FEDERAL 16-22-9-16

9. API Well No.

4301333394

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input checked="" type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Formation water is produced to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY**

I hereby certify that the foregoing is true and  
correct (Printed/ Typed)

Mandie Crozier

Signature

Title

Regulatory Specialist

Date

10/11/2007

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or  
certify that the applicant holds legal or equitable title to those rights in the subject lease  
which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United  
States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

**RECEIVED**

**OCT 12 2007**

DIV. OF OIL, GAS & MIN.

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-74392
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 2068 FSL 649 FEL		8. WELL NAME and NUMBER: FEDERAL 16-22-9-16
OTR/OTR SECTION. TOWNSHIP. RANGE. MERIDIAN: NESE, 22, T9S, R16E		9. API NUMBER: 4301333394
		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
		COUNTY: DUCHESNE
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 10/30/2007	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well was completed on 10/10/07, attached is a daily completion status report.

NAME (PLEASE PRINT) Jentri Park TITLE Production Clerk  
SIGNATURE DATE 10/30/2007

(This space for State use only)

RECEIVED

NOV 09 2007

DIV. OF OIL, GAS & MINING

**Daily Activity Report**

Format For Sundry

**FEDERAL 16-22-9-16****8/1/2007 To 12/30/2007****10/3/2007 Day: 1****Completion**

Rigless on 10/2/2007 - Instal 5K frac head. NU 6" 5K Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5993' & cement top @ 39'. Perforate stage #1, A1 sds @ 5035-71' w/ 3-1/8" Slick Guns (19 gram, .49"HE. 120°) w/ 4 spf for total of 144 shots. 143 bbls EWTR. SIFN.

**10/6/2007 Day: 2****Completion**

Rigless on 10/5/2007 - Stage #1 A1 sds. RU BJ Services. 10 psi on well. Frac A1 sds w/ 140,366#'s of 20/40 sand in 1008 bbls of Lightning 17 fluid. Broke @ 2849 psi. Treated w/ ave pressure of 1851 psi w/ ave rate of 24.8 BPM. ISIP 2081 psi. Leave pressure on well. 1151 BWTR. Stage #2 A.5 sds. RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 5' perf gun. Set plug @ 5010'. Perforate A.5 sds @ 4964-69' w/ 3-1/8" Slick Guns (.37"EH, 23 gram, 90°) w/ 4 spf for total of 20 shots. RU BJ Services. 1566 psi on well. Frac A.5 sds w/ 15,004#'s of 20/40 sand in 274 bbls of Lightning 17 fluid. Broke @ 3458 psi. Treated w/ ave pressure of 2605 psi w/ ave rate of 24.8 BPM. ISIP 1909 psi. Leave pressure on well. 1425 BWTR. Stage #3 B2 sds. RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 7' perf gun. Set plug @ 4920'. Perforate B2 sds @ 4860-67' w/ 3-1/8" Slick Guns (.37"EH, 23 gram, 90°) w/ 4 spf for total of 28 shots. RU BJ Services. 1528 psi on well. Frac B2 sds w/ 13,965#'s of 20/40 sand in 269 bbls of Lightning 17 fluid. Broke @ 4220 psi. Treated w/ ave pressure of 2130 psi w/ ave rate of 24.8 BPM. ISIP 1925 psi. Leave pressure on well. 1694 BWTR. Stage #4 C sds. RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 12' perf gun. Set plug @ 4820'. Perforate C sds @ 4748-60' w/ 3-1/8" Slick Guns (.37"EH, 23 gram, 90°) w/ 4 spf for total of 48 shots. RU BJ Services. 1532 psi on well. Frac C sds w/ 41,811#'s of 20/40 sand in 406 bbls of Lightning 17 fluid. Broke @ 4180 psi. Treated w/ ave pressure of 2620 psi w/ ave rate of 24.8 BPM. ISIP 2235 psi. Open well to pit for immediate flowback @ 1 bpm. Well flowed for 4 hrs. & died. Recovered 270 bbls. SWIFN.

**10/9/2007 Day: 3****Completion**

Western #2 on 10/8/2007 - MIRU Western #2. 75 psi on csg. Bleed off pressure. ND Cameron BOP & 5M WH. NU 3M WH & Shaffer BOP. Talley, PU & RIH w/ 4 3/4" (Used) bit, Bit sub & 153 jts of 2 7/8" J-55 tbg. Tagged sand @ 4707'. RU Nabors power swivel. Circulate sand & drill out plugs. Sand @ 4707', Plug @ 4820' (Drilled out in 22 mins). Tagged sand @ 4882', Plug @ 4920' (Drilled out in 27 mins). Circulate well clean. LD 1 jt tbg. EOT @ 4913'. SIWFN w/ 1820 BWTR.

**10/10/2007 Day: 4****Completion**

Western #2 on 10/9/2007 - 0 psi on well. Con't circulate sand & drill out plugs. Tagged plug @ 5010' (Drilled out in 26 mins). Tagged sand @ 5726'. C/O to PBTD @ 6034'. RD power swivel. LD 2 jts of tbg. EOT @ 5993. RU swab equipment. Made 14 runs. IFL @ sfc. FFL @ 1900', Trace oil, No sand. Rec 136 BTF. RD swab equipment. PU & RIH w/ 2 jts of tbg. Tagged sand @ 6022'. C/O to PBTD @ 6034'. LD 30 jts of

tbg. TOH w/ tbg. LD bit & bit sub. TIH w/ production tbg as follows: NC, 2-jts, 2-jts, TA & 40 jts of tbg. EOT @ 1246'. SIWFN w/ 1744 BWTR.

10/11/2007 Day: 5

Completion

Western #2 on 10/10/2007 - 0 psi on well. Con't TIH w/ production tbg. Production tbg detail as follows: NC, 2- jts, SN, 2- jts, 5 1/2" TA, 162 jts of 2 7/8" J-55 tbg. ND BOP. Set TA w/ 16,000# of tension @ 5010', SN @ 5075', EOT @ 5137'. NU WH. PU & TIH W/ pump and "A" grade rod string as follows: new CDI 2 1/2" X 1 3/4" X 21' RHAC pump, 4-1 1/2" weight rods, 197-7/8" scraped rods(8 per), 1- 4', 1- 2' X 7/8" pony rods and 1 1/2" X 26' polished rod. Seat pump & RU pumping unit. W/ tbg full, pressure test tbg & pump to 200 psi. Stroke pump up W/ unit to 800 psi. Good pump action. RDMOSU. Est 1744 BWTR. Place well on production @ 3:00 PM 10/10/2007 W/ 123" SL @ 4 SPM. FINAL REPORT!!

Pertinent Files: Go to File List



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

## 1a. TYPE OF WORK

OIL WELL ☒ GAS WELL ☐ DRY ☐ Other \_\_\_\_\_

## 1b. TYPE OF WELL

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR. ☐ Other \_\_\_\_\_

## 2. NAME OF OPERATOR

Newfield Exploration Company

## 3. ADDRESS AND TELEPHONE NO.

1401 17th St. Suite 1000 Denver, CO 80202

## 4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)\*

At Surface 660' FSL &amp; 664' FEL (SE/SE) Sec. 22, T9S, R16E

At top prod. Interval reported below

2068 fsl 1649 fel

Chgs. per  
eng. review  
by DKD

At total depth

476 fsl 1662 fel

## 14. API NO.

43-013-33394

## DATE ISSUED

05/07/07

## 15. DATE SPUDDED

08/27/07

## 16. DATE T.D. REACHED

09/13/07

## 17. DATE COMPL. (Ready to prod.)

10/10/07

## 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*

5800' GL

## 12. COUNTY OR PARISH

Duchesne

## 13. STATE

UT

## 20. TOTAL DEPTH, MD &amp; TVD

6075' 5820

## 21. PLUG BACK T.D., MD &amp; TVD

6034' 5779

22. IF MULTIPLE COMPL.,  
HOW MANY\*23. INTERVALS  
DRILLED BY

-----&gt;

## ROTARY TOOLS

X

## CABLE TOOLS

## 24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\*

Green River 4748'-5071'

25. WAS DIRECTIONAL  
SURVEY MADE

No Yes

## 26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log

## 27. WAS WELL CORED

No

## 23. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	306'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	6051'	7-7/8"	350 sx Premilite II and 525 sx 50/50 Poz	

## 29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	EOT @ 5137'	TA @ 5010'

## 31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(A1) 5035'-5071'	.49"	4/144	5035'-5071'	Frac w/ 140,366# 20/40 sand in 1008 bbls fluid
(A.5) 4964'-4969'	.37"	4/20	4964'-4969'	Frac w/ 15,004# 20/40 sand in 274 bbls fluid
(B2) 4860'-4867'	.37"	4/28	4860'-4867'	Frac w/ 13,965# 20/40 sand in 269 bbls fluid
(C) 4748'-4760'	.37"	4/48	4748'-4760'	Frac w/ 41,811# 20/40 sand in 406 bbls fluid

## 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

## 33.\* PRODUCTION

DATE FIRST PRODUCTION 10/10/07		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) 2-1/2" x 1-3/4" x 21' RHAC SM Plunger Pump					WELL STATUS (Producing or shut-in) PRODUCING	
DATE OF TEST 10 day ave	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD ----->	OIL--BBL. 3	GAS--MCF. 1	WATER--BBL. 31		GAS-OIL RATIO 333
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE ----->	OIL-BBL.	GAS--MCF.	WATER--BBL.		OIL GRAVITY-API (CORR.)	

## 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold &amp; Used for Fuel

## TEST WITNESSED BY

## 35. LIST OF ATTACHMENTS

## 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Jentri Park

TITLE

Production Clerk

DATE

10/31/2007

JP

\*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name Federal	Garden Gulch Mkr	3536'	
				Garden Gulch 1	3757'	
				Garden Gulch 2	3872'	
				Point 3 Mkr	4113'	
				X Mkr	4401'	
				Y-Mkr	4436'	
				Douglas Creek Mkr	4562'	
				BiCarbonate Mkr	4798'	
				B Limestone Mkr	4904'	
				Castle Peak	5461'	
				Basal Carbonate	5923'	
				Wasatch	6031'	
				Total Depth (LOGGERS)	6065'	



**Scientific  
Drilling**

## Directional Survey Certification

7327 West Barton Road  
Casper, WY 82604  
(307)-472-6621 Fax (307) 472-5439

RE: _____	Newfield Exploration Co.	Operator
_____	Federal 16-22-9-16	Well Name & No.
_____	Duchesne County, UT	County & State
_____	42DEF0708712	SDI Job No.

I, Julie Cruse, having personal knowledge of all the facts, hereby certify that the attached directional survey run from a measured depth of 334 feet to a measured depth of 6075 feet is true and correct as determined from all available records.

Julie Cruse

Signature

Rockies Region Engineer

Title

Scientific Drilling International

Company

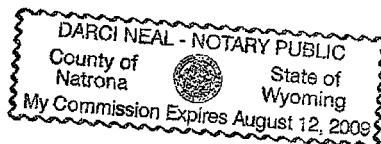
State of : Wyoming }  
County of : Natrona } ss

On this 19th day of October, 2007, before me personally appeared Julie Cruse to me known as the person described in and who executed the foregoing instrument and acknowledged that (s)he executed the same as his/her free act and deed.

Seal

Darci Neal  
Notary Public

Aug 12, 2009  
My Commission Expires

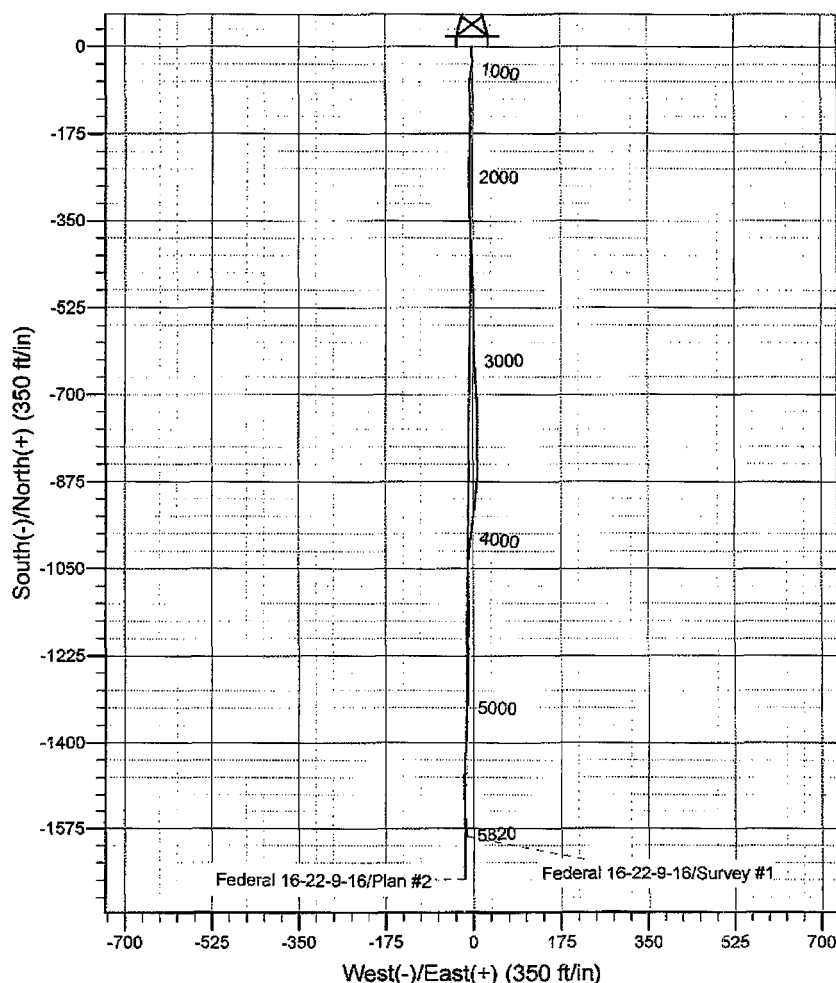
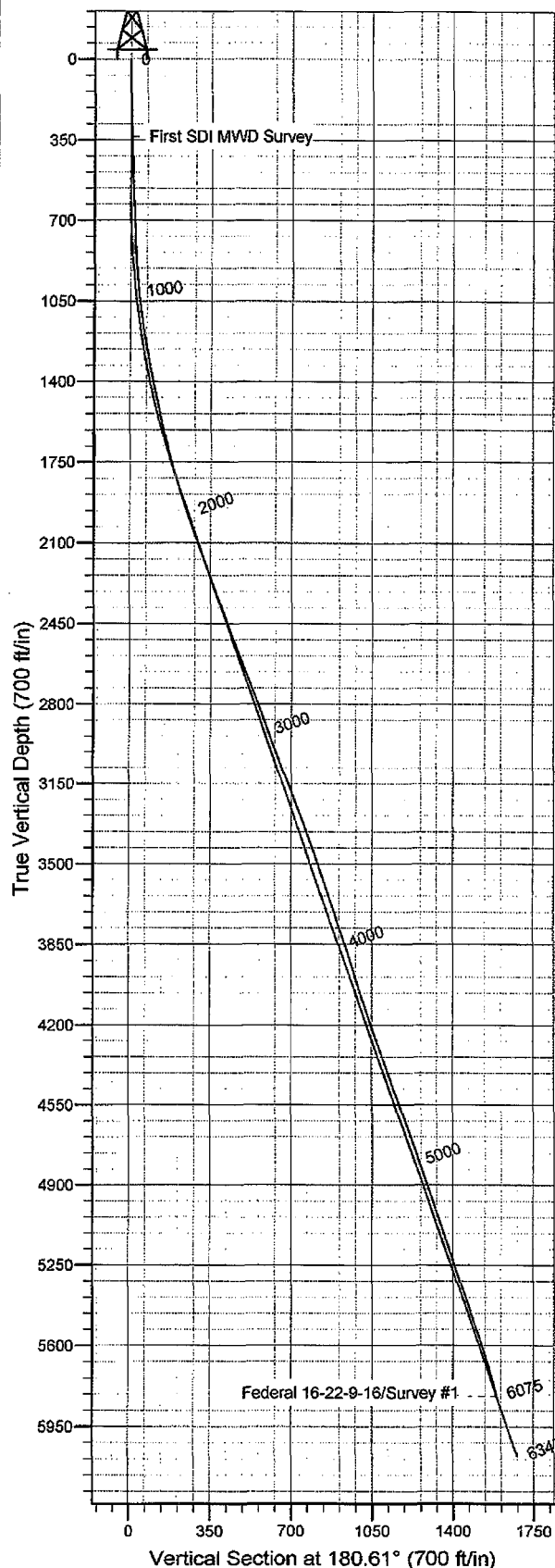




**Scientific Drilling**  
Rocky Mountain Operations

Project: Duchesne County, UT  
Site: Federal 16-22-9-16  
Well: Federal 16-22-9-16  
Wellbore: OH  
Design: OH

**Newfield Exploration Co.**



WELL DETAILS: Federal 16-22-9-16

+N/-S	+E/-W	Ground Level: Northing	GL 5798' & RKB 15' @ 5813.00ft Easting	Latitude	Longitude
0.00	0.00	7177203.67	2032965.58	40° 0' 53.270 N	110° 5' 54.150 W

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Federal 16-22-9-16, True North  
Vertical (TVD) Reference: GL 5798' & RKB 15' @ 5813.00ft  
Section (VS) Reference: Slot - (0.00N, 0.00E)  
Measured Depth Reference: GL 5798' & RKB 15' @ 5813.00ft  
Calculation Method: Minimum Curvature  
Local North: True  
Location: Sec. 22 T9S R16E

PROJECT DETAILS: Duchesne County, UT

Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: Utah Central Zone

Survey: Survey #1 (Federal 16-22-9-16/OH)

Created By: Julie Cruse Date: 2007-10-08

# **Newfield Exploration Co.**

Duchesne County, UT

Federal 16-22-9-16

Federal 16-22-9-16

OH

Survey: Survey #1

## **Standard Survey Report**

08 October, 2007

# Scientific Drilling

## Survey Report

Company: Newfield Exploration Co.  
Project: Duchesne County, UT  
Site: Federal 16-22-9-16  
Well: Federal 16-22-9-16  
Wellbore: OH  
Design: OH

Local Co-ordinate Reference: Well Federal 16-22-9-16  
TVD Reference: GL 5798' & RKB 15' @ 5813.00ft  
MD Reference: GL 5798' & RKB 15' @ 5813.00ft  
North Reference: True  
Survey Calculation Method: Minimum Curvature  
Database: EDM 2003.16 Single User Db

### Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
3,126.00	20.59	177.30	3,029.70	-640.79	4.24	640.71	0.83	0.65	-1.49
3,219.00	20.43	175.78	3,116.81	-673.32	6.20	673.21	0.60	-0.17	-1.63
3,312.00	21.40	176.48	3,203.68	-706.44	8.44	706.31	1.08	1.04	0.75
3,405.00	21.45	178.48	3,290.26	-740.37	9.93	740.23	0.79	0.05	2.15
3,498.00	20.55	179.86	3,377.08	-773.70	10.42	773.54	1.10	-0.97	1.48
3,593.00	18.89	181.17	3,466.50	-805.75	10.15	805.59	1.81	-1.75	1.38
3,686.00	18.94	180.61	3,554.48	-835.89	9.68	835.74	0.20	0.05	-0.60
3,781.00	18.86	182.55	3,644.36	-866.65	8.84	866.50	0.67	-0.08	2.04
3,875.00	18.36	185.29	3,733.45	-896.57	6.80	896.44	1.07	-0.53	2.91
3,969.00	17.85	187.02	3,822.79	-925.61	3.67	925.52	0.79	-0.54	1.84
4,062.00	17.23	187.28	3,911.47	-953.42	0.18	953.36	0.67	-0.67	0.28
4,156.00	17.33	187.05	4,001.23	-981.12	-3.30	981.10	0.13	0.11	-0.24
4,250.00	18.49	186.40	4,090.67	-1,009.83	-6.68	1,009.84	1.25	1.23	-0.69
4,344.00	18.97	180.90	4,179.70	-1,039.92	-8.58	1,039.95	1.95	0.51	-5.85
4,439.00	19.44	179.84	4,269.41	-1,071.17	-8.78	1,071.20	0.62	0.49	-1.12
4,532.00	19.46	179.00	4,357.10	-1,102.13	-8.47	1,102.16	0.30	0.02	-0.90
4,626.00	18.85	178.69	4,445.90	-1,132.97	-7.85	1,132.99	0.66	-0.65	-0.33
4,721.00	19.86	182.06	4,535.53	-1,164.44	-8.08	1,164.46	1.58	1.06	3.55
4,816.00	18.86	181.10	4,625.16	-1,195.92	-8.95	1,195.95	1.10	-1.05	-1.01
4,908.00	18.59	180.31	4,712.29	-1,225.45	-9.32	1,225.48	0.40	-0.29	-0.86
5,002.00	19.22	180.77	4,801.22	-1,255.91	-9.60	1,255.94	0.69	0.67	0.49
5,094.00	19.18	180.82	4,888.10	-1,286.16	-10.02	1,286.19	0.05	-0.04	0.05
5,188.00	18.62	182.30	4,977.03	-1,316.59	-10.85	1,316.64	0.78	-0.60	1.57
5,283.00	19.36	180.17	5,066.86	-1,347.50	-11.50	1,347.54	1.07	0.78	-2.24
5,375.00	18.51	182.51	5,153.89	-1,377.34	-12.19	1,377.39	1.24	-0.92	2.54
5,470.00	17.97	184.70	5,244.11	-1,407.01	-14.05	1,407.08	0.92	-0.57	2.31
5,564.00	18.35	182.93	5,333.43	-1,436.24	-15.99	1,436.32	0.71	0.40	-1.88
5,656.00	18.62	181.52	5,420.69	-1,465.38	-17.12	1,465.48	0.57	0.29	-1.53
5,751.00	18.79	178.85	5,510.67	-1,495.84	-17.22	1,495.94	0.92	0.18	-2.81
5,844.00	18.45	178.96	5,598.80	-1,525.53	-16.65	1,525.62	0.37	-0.37	0.12
5,938.00	17.29	177.17	5,688.27	-1,554.35	-15.69	1,554.43	1.37	-1.23	-1.90
6,027.00	15.05	178.12	5,773.74	-1,579.09	-14.26	1,579.16	2.54	-2.52	-1.18
6,075.00	15.05	176.12	5,820.09	-1,591.53	-13.41	1,591.58	0.00	0.00	0.00

### Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
hit/miss target									
Shape									
Federal 16-22-9-16 Targ	0.00	0.00	5,298.00	-1,409.00	-15.00	7,175,794.61	2,032,972.66	40° 0' 39.344 N	110° 5' 54.343 W
- survey misses by 14.78ft at 5521.84ft MD (5293.40 TVD, -1423.05 N, -15.23 E)									
- Circle (radius 75.00)									

### Survey Annotations

Measured	Vertical	Local Coordinates		Comment
Depth	Depth	+N/-S	+E/-W	
(ft)	(ft)	(ft)	(ft)	
334.00	333.97	-3.50	-0.60	First SDI MWD Survey
6,075.00	5,820.09	-1,591.53	-13.41	Projection To TD

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

# Scientific Drilling Survey Report

<b>Company:</b>	Newfield Exploration Co.	<b>Local Co-ordinate Reference:</b>	Well Federal 16-22-9-16
<b>Project:</b>	Duchesne County, UT	<b>TVD Reference:</b>	GL 5798' & RKB 15' @ 5813.00ft
<b>Site:</b>	Federal 16-22-9-16	<b>MD Reference:</b>	GL 5798' & RKB 15' @ 5813.00ft
<b>Well:</b>	Federal 16-22-9-16	<b>North Reference:</b>	True
<b>Wellbore:</b>	OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	OH	<b>Database:</b>	EDM 2003.16 Single User Db

<b>Project</b>	Duchesne County, UT		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Central Zone		

<b>Site</b>	Federal 16-22-9-16, Sec. 22 T9S R16E				
<b>Site Position:</b>		<b>Northing:</b>	7,177,203.67 ft	<b>Latitude:</b>	40° 0' 53.270 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,032,965.58 ft	<b>Longitude:</b>	110° 5' 54.150 W
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	in	<b>Grid Convergence:</b>	0.90 °

<b>Well</b>	Federal 16-22-9-16, SHL: 2068' FSL, 649' FEL					
<b>Well Position</b>	+N/-S	0.00 ft	<b>Northing:</b>	7,177,203.67 ft	<b>Latitude:</b>	40° 0' 53.270 N
	+E/-W	0.00 ft	<b>Easting:</b>	2,032,965.58 ft	<b>Longitude:</b>	110° 5' 54.150 W
<b>Position Uncertainty</b>		0.00 ft	<b>Wellhead Elevation:</b>	ft	<b>Ground Level:</b>	5,798.00 ft

<b>Wellbore</b>	OH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination</b>	<b>Dip Angle</b>	<b>Field Strength</b>
	IGRF200510	2007-09-06	(°)	(°)	(nT)
			11.79	65.86	52,641

<b>Design</b>	OH				
<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	
<b>Vertical Section:</b>	<b>Depth From (TVD)</b>	<b>+N/-S</b>	<b>+E/-W</b>	<b>Direction</b>	
	(ft)	(ft)	(ft)	(°)	
	0.00	0.00	0.00	180.61	

<b>Survey Program</b>	Date 2007-09-24				
<b>From</b>	<b>To</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
(ft)	(ft)				
334.00	6,075.00	Survey #1 (OH)	MWD	MWD - Standard	

<b>Survey</b>										
<b>Measured</b>	<b>Inclination</b>	<b>Azimuth</b>	<b>Vertical</b>	<b>+N/-S</b>	<b>+E/-W</b>	<b>Vertical</b>	<b>Dogleg</b>	<b>Build</b>	<b>Turn</b>	
<b>Depth</b>	<b>(°)</b>	<b>(°)</b>	<b>Depth</b>	<b>(ft)</b>	<b>(ft)</b>	<b>Section</b>	<b>Rate</b>	<b>Rate</b>	<b>Rate</b>	
<b>(ft)</b>			<b>(ft)</b>			<b>(ft)</b>	<b>(°/100ft)</b>	<b>(°/100ft)</b>	<b>(°/100ft)</b>	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
334.00	1.22	189.79	333.97	-3.50	-0.60	3.51	0.37	0.37	0.00	
364.00	1.21	188.30	363.97	-4.13	-0.70	4.14	0.11	-0.03	-4.97	
394.00	1.63	182.40	393.96	-4.87	-0.77	4.88	1.48	1.40	-19.67	
424.00	2.50	181.43	423.94	-5.95	-0.80	5.96	2.90	2.90	-3.23	
453.00	2.40	176.75	452.91	-7.19	-0.78	7.20	0.77	-0.34	-16.14	
484.00	2.50	184.22	483.88	-8.51	-0.80	8.52	1.08	0.32	24.10	
515.00	2.73	180.10	514.85	-9.93	-0.85	9.93	0.96	0.74	-13.29	
545.00	2.78	181.29	544.82	-11.37	-0.87	11.38	0.25	0.17	3.97	
575.00	2.76	181.34	574.78	-12.82	-0.90	12.83	0.07	-0.07	0.17	
606.00	2.75	180.64	605.75	-14.31	-0.92	14.32	0.11	-0.03	-2.26	
637.00	2.53	174.59	636.71	-15.73	-0.87	15.74	1.14	-0.71	-19.52	
667.00	2.38	173.07	666.69	-17.00	-0.73	17.01	0.61	-0.57	-5.07	

**NEWFIELD**



March 1, 2011

Mr. Brad Hill  
State of Utah, DOGM  
1594 West North Temple-Suite 1310  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

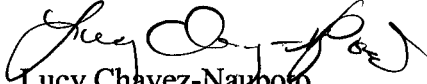
RE: Workover MIT  
Federal 16-22-9-16  
API #43-013-33394

9S 16E 22

Dear Mr. Brad Hill:

A workover MIT was conducted on the subject well. Attached are the sundry, tabular sheet and a copy of the chart. If you have any questions please give me a call at 435-646-4874.

Sincerely,

  
Lucy Chavez-Naupoto  
Administrative Assistant

**RECEIVED**

**MAR 08 2011**

**DIV. OF OIL, GAS & MINING**



**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-74392
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: GMBU
PHONE NUMBER 435.646.3721		8. WELL NAME and NUMBER: FEDERAL 16-22-9-16
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 2068 FSL 649 FEL		9. API NUMBER: 4301333394
OTR/OTR. SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE, 22, T9S, R16E		10. FIELD AND POOL, OR WILDCAT: GREATER MB UNIT
		COUNTY: DUCHESNE
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

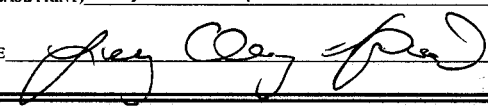
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input checked="" type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: <u>02/25/2011</u>	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - MIT
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well had workover procedures performed (tubing leak), attached is a daily status report.

On 02/22/2011 Dennis Ingram with the State of Utah was contacted concerning the MIT on the above listed well. On 02/25/2011 the csg was pressured up to 1420 psig and charted for 30 minute with no pressure loss. There was not a State representative available to witness the test.

API# 43-013-33394

NAME (PLEASE PRINT) <u>Lucy Chavez-Naupoto</u>	TITLE <u>Administrative Assistant</u>
SIGNATURE 	DATE <u>03/01/2011</u>

(This space for State use only)

**RECEIVED**  
**MAR 08 2011**  
DIV. OF OIL, GAS & MINING

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 02/25/11 Time 9:00 am pm

Test Conducted by: Dale Giles

Others Present: \_\_\_\_\_

Well: Federal 16-22-9-16

Field: Monument Butte

Well Location:  
SE/SE Sec. 22, T9S, R16E

API No:  
43-0013-33394

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1420</u>	psig
5	<u>1420</u>	psig
10	<u>1420</u>	psig
15	<u>1420</u>	psig
20	<u>1420</u>	psig
25	<u>1420</u>	psig
30 min	<u>1420</u>	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure: N/A psig

Result: Pass Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: Dale Giles

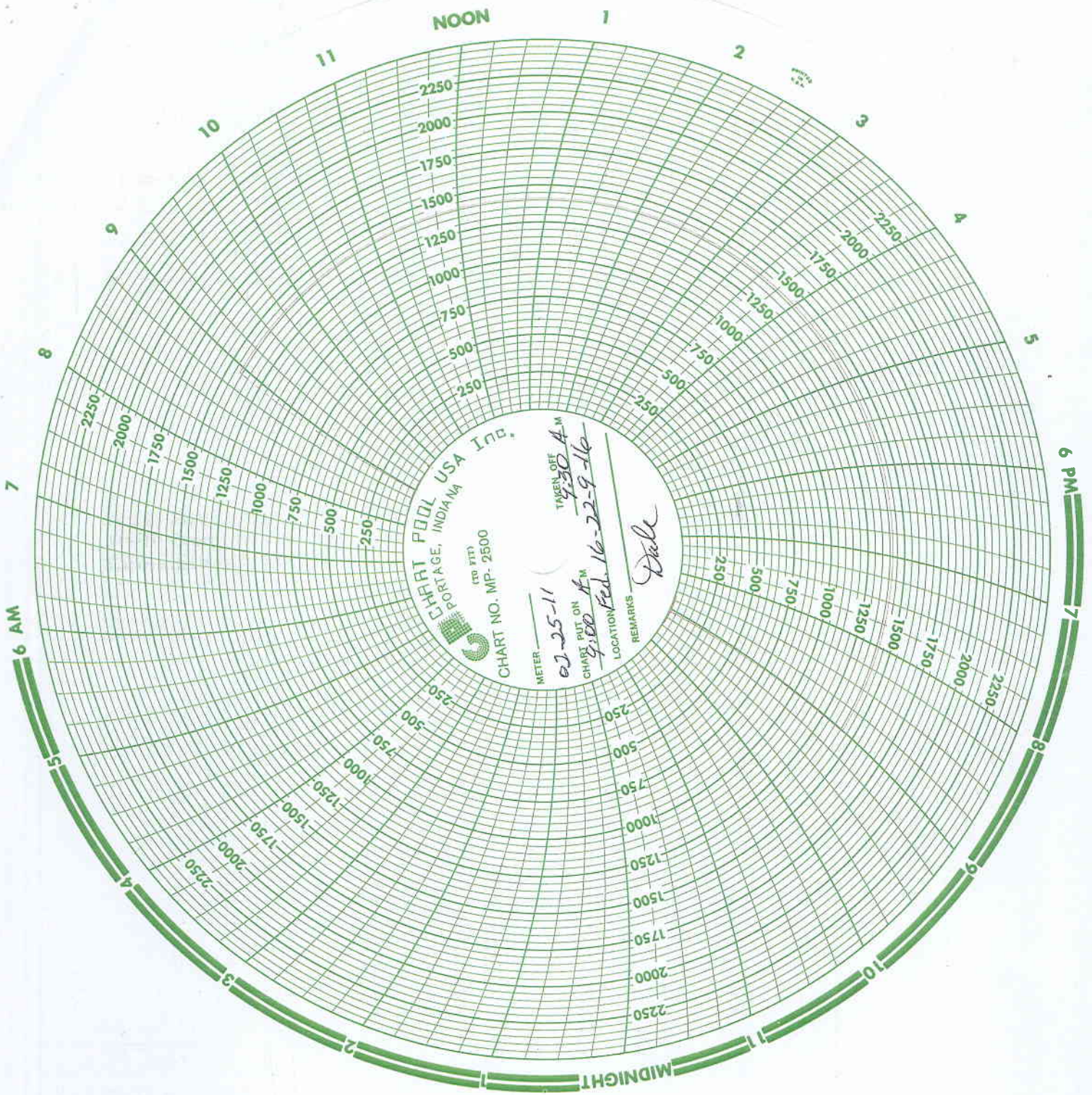


CHART POOL USA Inc.  
PORTAGE, INDIA NA  
CHART NO. MP-2500  
EST. 1971

METER 02-25-11  
TAKEN OFF 4:30 A.M.  
CHART PUT ON 4:00 P.M.  
LOCATION Feb. 16-22-9-16  
REMARKS Dale



**Daily Activity Report****Format For Sundry****FEDERAL 16-22-9-16****12/1/2010 To 4/28/2011****2/7/2011 Day: 1****Tubing Leak**

Basic #1474 on 2/7/2011 - POOH w/ rods & pump (Guides worn out on entire rod string). POOH w/ tbg looking for hole. - MIRU. Pump 40 BW @ 250° Fdown csg. RDPU. Unseat pump POOH w/ rods & pump, guides on entire rod string worn out & scale build up on bttm of rod string. X- over to tbg equipment. NDWH. Release TA. NUBOP. RIH w/ tbg & tag fill @ 5518'. Pump 5 BW, drop SV. POOH w/ tbg looking for hole, did not find hole. RIH w/ new SN, TA & 44- jts tbg. Try to PT tbg, no test. POOH w/ tbg, find hole in jt #163. Replace 20- jts tbg above SN. SWIFN. - MIRU. Pump 40 BW @ 250° Fdown csg. RDPU. Unseat pump POOH w/ rods & pump, guides on entire rod string worn out & scale build up on bttm of rod string. X- over to tbg equipment. NDWH. Release TA. NUBOP. RIH w/ tbg & tag fill @ 5518'. Pump 5 BW, drop SV. POOH w/ tbg looking for hole, did not find hole. RIH w/ new SN, TA & 44- jts tbg. Try to PT tbg, no test. POOH w/ tbg, find hole in jt #163. Replace 20- jts tbg above SN. SWIFN. **Finalized**

**Daily Cost: \$0****Cumulative Cost: \$6,111**

---

**2/10/2011 Day: 2****Tubing Leak**

Basic #1474 on 2/10/2011 - POOH w/ tbg. RU Perforators WLT. Set CIBP @ 4698'. RIH W/ 108- jts tbg open ended. SWIFN. - Pump 10 BW down tbg, drop SV. RIH w/ all tbg. LD 58- jts tbg on trailer. TOO H w/ 108- jts tbg. RU Perforators WLT. RIH w/ CIBP and set @ 4698'. RD WLT. RIH w/ 108- jts tbg open ended. NDBOP. NUWH. RIH w/ 129-7/8"guided rods. SWIFN. - Pump 10 BW down tbg, drop SV. RIH w/ all tbg. LD 58- jts tbg on trailer. TOO H w/ 108- jts tbg. RU Perforators WLT. RIH w/ CIBP and set @ 4698'. RD WLT. RIH w/ 108- jts tbg open ended. NDBOP. NUWH. RIH w/ 129-7/8"guided rods. SWIFN. **Finalized**

**Daily Cost: \$0****Cumulative Cost: \$13,579**

---

**2/12/2011 Day: 3****Tubing Leak**

Basic #1474 on 2/12/2011 - LD rods & TA well. - LD 129- 7/8" rods. Pump chemical diown CSG. ND WH tee, bull plug WH. - LD 129- 7/8" rods. Pump chemical diown CSG. ND WH tee, bull plug WH.

**Daily Cost: \$0****Cumulative Cost: \$17,314**

---

**2/28/2011 Day: 4****Tubing Leak**

Rigless on 2/28/2011 - Workover MIT. - On 2/22/2011 Dennis Ingram with the State of Utah DOGM was contacted concerning the workover MIT on the above listed well (Federal 16-22-9-16). On 2/25/2011 the csg was pressured up to 1420 psig and charted for 30 minutes with no pressure loss. There was not a State representative available to witness the test. Final Report API# 43-013-33394 - On 2/22/2011 Dennis Ingram with the State of Utah DOGM was contacted concerning the workover MIT on the above listed well (Federal 16-22-9-16). On 2/25/2011 the csg was pressured up to 1420 psig and charted for 30 minutes with no pressure loss. There was not a State representative available to witness the test. Final Report

API# 43-013-33394 **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$18,214

---

**Pertinent Files: Go to File List**

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>			
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-74392			
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>			
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)			
<b>3. ADDRESS OF OPERATOR:</b> 1001 17th Street, Suite 2000 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> FEDERAL 16-22-9-16			
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2068 FSL 0649 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 22 Township: 09.0S Range: 16.0E Meridian: S		<b>9. API NUMBER:</b> 43013333940000			
<b>PHONE NUMBER:</b> 303 382-4443 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE			
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH			
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>					
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>				
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 2/9/2011  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE   <input type="checkbox"/> CHANGE TO PREVIOUS PLANS   <input type="checkbox"/> CHANGE WELL STATUS   <input type="checkbox"/> DEEPEN   <input type="checkbox"/> OPERATOR CHANGE   <input type="checkbox"/> PRODUCTION START OR RESUME   <input type="checkbox"/> REPERFORATE CURRENT FORMATION   <input type="checkbox"/> TUBING REPAIR   <input type="checkbox"/> WATER SHUTOFF   <input type="checkbox"/> WILDCAT WELL DETERMINATION         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING   <input type="checkbox"/> CHANGE TUBING   <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS   <input type="checkbox"/> FRACTURE TREAT   <input type="checkbox"/> PLUG AND ABANDON   <input type="checkbox"/> RECLAMATION OF WELL SITE   <input type="checkbox"/> SIDETRACK TO REPAIR WELL   <input type="checkbox"/> VENT OR FLARE   <input type="checkbox"/> SI TA STATUS EXTENSION   <input type="checkbox"/> OTHER         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR   <input type="checkbox"/> CHANGE WELL NAME   <input type="checkbox"/> CONVERT WELL TYPE   <input type="checkbox"/> NEW CONSTRUCTION   <input type="checkbox"/> PLUG BACK   <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION   <input checked="" type="checkbox"/> TEMPORARY ABANDON   <input type="checkbox"/> WATER DISPOSAL   <input type="checkbox"/> APD EXTENSION           OTHER: <input style="width: 100px;" type="text"/> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input checked="" type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input checked="" type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>			
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> Newfield Production Company requests the approval to temporarily abandon subject well. Subject well is down and needs repair. However repairs prove not to be economic thus request the approval to TA. Attached are the "as-is" well bore diagram and the proposed wellbore diagram. The plan is to set a plug approximately 50' above top perforation until well can be converted when water flood has expanded to area of subject well. Please contact Wayne Ba at 303-383-4139 with any questions.					
<b>Accepted by the Utah Division of Oil, Gas and Mining</b>  <b>Date:</b> 03/15/2011 <b>By:</b>					
<b>NAME (PLEASE PRINT)</b> Sam Styles		<b>PHONE NUMBER</b> 303 893-0102			
<b>SIGNATURE</b> N/A		<b>TITLE</b> Engineering Tech			
		<b>DATE</b> 2/9/2011			

# FEDERAL 16-22-9-16

Spud Date: 08/27/07  
Put on Production: 10/10/07  
GL: 5800' KB: 5812'

Initial Production: BOPD,  
MCFD, BWPD

## Wellbore Diagram (As - Is)

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (293.76')  
DEPTH LANDED: 305.61' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 6 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: ? jts. (')  
DEPTH LANDED: ?' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: ? sxs Prem. Lite II mixed & ? sxs 50/50 POZ.  
CEMENT TOP: 39'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 162 jts (4993.8')  
TUBING ANCHOR: 5005.8' KB  
NO. OF JOINTS: 2 jts (64.1')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5072.8'  
NO. OF JOINTS: 2 jts (61.40')  
TOTAL STRING LENGTH: EOT @ 5136' KB

### SUCKER RODS

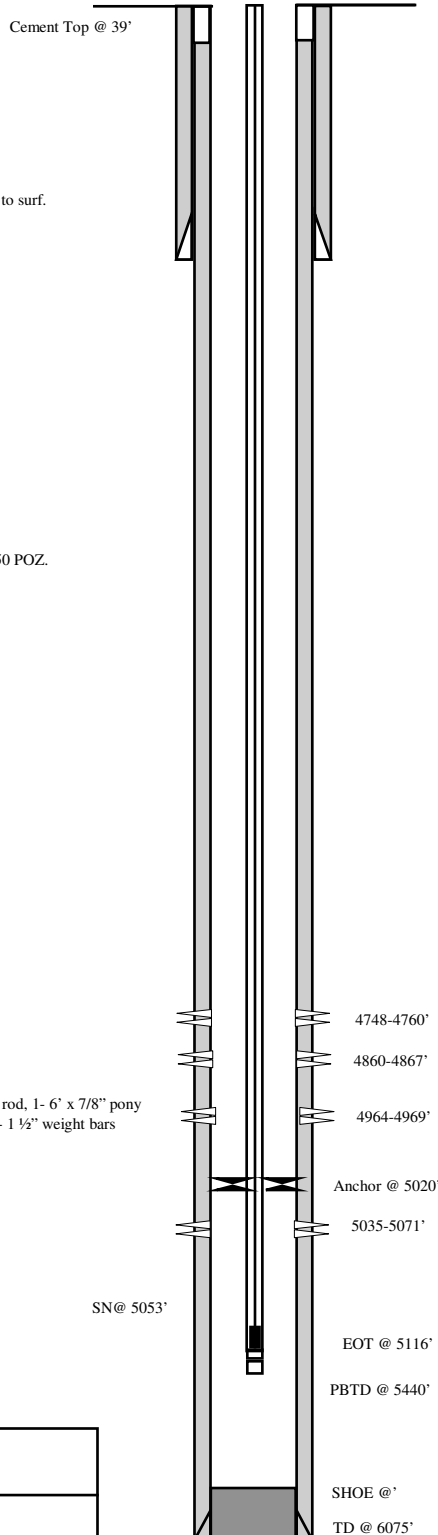
POLISHED ROD: 1-1/2" x 26' SM polished rods  
SUCKER RODS: 2-4' x 7/8" pony rods, 1-4' x 7/8" pony rod, 1-6' x 7/8" pony rod, 197-7/8" guided rods (8 per), 4-3' x 1" pony rods, 4-1 1/2" weight bars  
PUMP SIZE: CDI 2-1/2" x 1-3/4" x 16 x 20" RHAC  
STROKE LENGTH: 123"  
PUMP SPEED, SPM: 5

### FRAC JOB

10/05/07	5035-5071'	<b>Frac A1 sands as follows:</b> 140366# 20/40 sand in 1008 bbl Lightning 17 frac fluid. Treated @ avg press of 1851 psi w/avg rate of 24.8 BPM. ISIP 2081 psi. Calc flush: 5033 gal. Actual flush: 4536 gal.
10/06/07	4964-4969'	<b>Frac A.5 sands as follows:</b> 15004# 20/40 sand in 274 bbls Lightning 17 frac fluid. Treated @ avg press of 2605 psi w/avg rate of 24.8 BPM. ISIP 1909 psi. Calc flush: 4962 gal. Actual flush: 4456 gal.
10/05/07	4860-4867'	<b>Frac B2 sands as follows:</b> 13965# 20/40 sand in 269 bbls Lightning 17 frac fluid. Treated @ avg press of 2130 psi w/avg rate of 24.8 BPM. ISIP 1925 psi. Calc flush: 4858 gal. Actual flush: 4355 gal.
10/05/07	4748-4760'	<b>Frac C sands as follows:</b> 41811# 20/40 sand in 406 bbls Lightning 17 frac fluid. Treated @ avg press of 2620 psi w/avg rate of 24.8 BPM. ISIP 2235 psi. Calc flush: 4746 gal. Actual flush: 4662 gal.
6/17/08		parted rods. Updated rod and tubing detail
11/19/08		Pump Change. Updated rod & tubing details.
2/13/09		Tubing Leak. Updated r & t details.
6/18/2010		Tubing leak. Updated rod and tubing detail.

### PERFORATION RECORD

10/02/07	5035-5071'	4 JSPF	144 holes
10/05/07	4964-4969'	4 JSPF	20 holes
10/05/07	4860-4867'	4 JSPF	28 holes
10/05/07	4748-4760'	4 JSPF	48 holes



## FEDERAL 16-22-9-16

2068' FSL & 649' FEL

NE/SE Section 22-T9S-R16E

Duchesne Co, Utah

API #43-013-33394; Lease # UTU-74392

ML 7/9/2010

FEDERAL 16-22-9-16

Spud Date: 08/27/07  
Put on Production: 10/10/07

GL: 5800' KB: 5812'

## SURFACE CASING

CSG SIZE: 8-5/8" Cement  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (293.76')  
DEPTH LANDED: 305.61' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 6 bbls cmt to surf.

## PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: ? jts. (')  
DEPTH LANDED: ? KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: ? sxs Prem. Lite II mixed & ? sxs 50/50 POZ.  
CEMENT TOP: 39'

## TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 162 jts (4993.8')  
TUBING ANCHOR: 5005.8' KB  
NO. OF JOINTS: 2 jts (64.1')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5072.8'  
NO. OF JOINTS: 2 jts (61.40')  
TOTAL STRING LENGTH: EOT @ 5136' KB

## SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM polished rods  
SUCKER RODS: 2-4' x 7/8" pony rods, 1-4' x 7/8" pony rod, 1-6' x 7/8" pony rod, 197-7/8" guided rods (8 per), 4-3' x 1" pony rods, 4-1 1/2" weight bars  
PUMP SIZE: CDI 2-1/2" x 1-3/4" x 16 x 20 RHAC  
STROKE LENGTH: 123"  
PUMP SPEED, SPM: 5

## Wellbore Diagram (Proposed)

Initial Production: BOPD,  
MCFD, BWPD

## FRAC JOB

10/05/07 5035-5071'

10/06/07 4964-4969'

10/05/07 4860-4867'

10/05/07 4748-4760'

6/17/08

11/19/08

2/13/09

6/18/2010

**Frac A1 sands as follows:**  
140366# 20/40 sand in 1008 bbl Lightning 17  
frac fluid. Treated @ avg press of 1851 psi  
w/avg rate of 24.8 BPM. ISIP 2081 psi. Calc  
flush: 5033 gal. Actual flush: 4536 gal.

**Frac A.5 sands as follows:**  
15004# 20/40 sand in 274 bbls Lightning 17  
frac fluid. Treated @ avg press of 2605 psi  
w/avg rate of 24.8 BPM. ISIP 1909 psi. Calc  
flush: 4962 gal. Actual flush: 4456 gal.

**Frac B2 sands as follows:**  
13965# 20/40 sand in 269 bbls Lightning 17  
frac fluid. Treated @ avg press of 2130 psi  
w/avg rate of 24.8 BPM. ISIP 1925 psi. Calc  
flush: 4858 gal. Actual flush: 4355 gal.

**Frac C sands as follows:**  
41811# 20/40 sand in 406 bbls Lightning 17  
frac fluid. Treated @ avg press of 2620 psi  
w/avg rate of 24.8 BPM. ISIP 2235 psi. Calc  
flush: 4746 gal. Actual flush: 4662 gal.

parted rods. Updated rod and tubing detail

Pump Change. Updated rod &tubing details.

Tubing Leak. Updated r & t details.

Tubing leak. Updated rod and tubing detail.

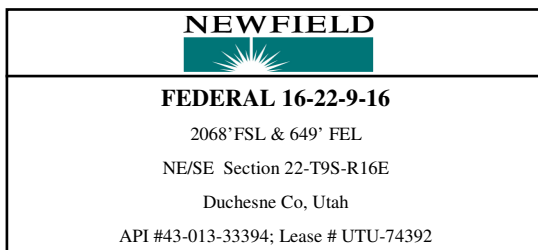
### PERFORATION RECORD

10/02/07 5035-5071' 4 JSPF 144 holes

10/05/07 4964-4969' 4 JSPF 20 holes

10/05/07 4860-4867' 4 JSPF 28 holes

10/05/07 4748-4760' 4 JSPF 48 holes



SN@ 5053'

**CIBP at ~ 4,698'**

4748-4760\*

4860-4867'

4964-4969

Anchor @ 5020'

5035-5071'

EOT @ 5116'

PBTd @ 5440'

SHOE @'

TD @ 6075'





June 7, 2012

RECEIVED

JUN 12 2012

DIV. OF OIL, GAS & MINING

Mr. Mark Reinbold  
State of Utah  
Division of Oil, Gas and Mining  
1594 W North Temple  
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well  
Federal #16-22-9-16  
Monument Butte Field, Lease #UTU-74392  
Section 22-Township 9S-Range 16E  
Duchesne County, Utah

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the Federal #16-22-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

I hope you find this application complete; however, if you have any questions or require additional information, please contact me at (303) 893-0102.

Sincerely,

A handwritten signature in black ink, appearing to read "Eric Sundberg".

Eric Sundberg  
Regulatory Lead

**NEWFIELD PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**FEDERAL #16-22-9-16**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**LEASE #UTU-74392**  
**JUNE 7, 2012**

## TABLE OF CONTENTS

LETTER OF INTENT	
COVER PAGE	
TABLE OF CONTENTS	
UIC FORM 1 – APPLICATION FOR INJECTION WELL	
WELLBORE DIAGRAM OF PROPOSED INJECTION	
WORK PROCEDURE FOR INJECTION CONVERSION	
COMPLETED RULE R615-5-1 QUESTIONNAIRE	
COMPLETED RULE R615-5-2 QUESTIONNAIRE	
ATTACHMENT A	ONE-HALF MILE RADIUS MAP
ATTACHMENT A-1	WELL LOCATION PLAT
ATTACHMENT B	LIST OF SURFACE OWNERS WITHIN ONE-HALF MILE RADIUS
ATTACHMENT C	CERTIFICATION FOR SURFACE OWNER NOTIFICATION
ATTACHMENT E	WELLBORE DIAGRAM – FEDERAL #16-22-9-16
ATTACHMENT E-1	WELLBORE DIAGRAM – FEDERAL #1-22-9-16
ATTACHMENT E-2	WELLBORE DIAGRAM – FEDERAL #6-22-9-16
ATTACHMENT E-3	WELLBORE DIAGRAM – FEDERAL #7-22-9-16
ATTACHMENT E-4	WELLBORE DIAGRAM – FEDERAL #8-22-9-16
ATTACHMENT E-5	WELLBORE DIAGRAM – FEDERAL #9-22-9-16
ATTACHMENT E-6	WELLBORE DIAGRAM – FEDERAL #10-22-9-16
ATTACHMENT E-7	WELLBORE DIAGRAM – FEDERAL #11A-22-9-16
ATTACHMENT E-8	WELLBORE DIAGRAM – FEDERAL #5-23-9-16
ATTACHMENT E-9	WELLBORE DIAGRAM – FEDERAL #11-23-9-16
ATTACHMENT E-10	WELLBORE DIAGRAM – FEDERAL #12-23-9-16
ATTACHMENT E-11	WELLBORE DIAGRAM – FEDERAL #13-23-9-16
ATTACHMENT E-12	WELLBORE DIAGRAM – FEDERAL #14-22-9-16
ATTACHMENT E-13	WELLBORE DIAGRAM – FEDERAL #15-22-9-16
ATTACHMENT E-14	WELLBORE DIAGRAM – FEDERAL #2-27-9-16
ATTACHMENT E-15	WELLBORE DIAGRAM – FEDERAL #1-27-9-16
ATTACHMENT F	WATER ANALYSIS
ATTACHMENT G	FRACTURE GRADIENT CALCULATIONS
ATTACHMENT G-1	FRACTURE REPORTS DATED – 10/3/07 – 10/11/07
ATTACHMENT H	WORK PROCEDURE FOR PROPOSED PLUG AND ABANDON
ATTACHMENT H-1	WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR Newfield Production Company  
ADDRESS 1001 17th Street, Suite 2000  
Denver, Colorado 80202

Well Name and number: Federal #16-22-9-16  
Field or Unit name: Monument Butte (Green River) Lease No. UTU-74392  
Well Location: QQ NESE section 22 township 9S range 16E county Duchesne

Is this application for expansion of an existing project? . . . . . Yes [ X ] No [ ]

Will the proposed well be used for: Enhanced Recovery? . . . . . Yes [ X ] No [ ]  
Disposal? . . . . . Yes [ ] No [ X ]  
Storage? . . . . . Yes [ ] No [ X ]

Is this application for a new well to be drilled? . . . . . Yes [ ] No [ X ]

If this application is for an existing well,  
has a casing test been performed on the well? . . . . . Yes [ ] No [ X ]


Date of test: \_\_\_\_\_  
API number: 43-013-33394

Proposed injection interval: from 3872 to 5440  
Proposed maximum injection: rate 500 bpd pressure 1877 psig  
Proposed injection zone contains [ x ] oil, [ ] gas, and/or [ ] fresh water within 1/2  
mile of the well.

IMPORTANT: Additional information as required by R615-5-2 should  
accompany this form.

List of Attachments: Attachments "A" through "H-1"

I certify that this report is true and complete to the best of my knowledge.

Name: Eric Sundberg Signature   
Title Regulatory Lead Date 6/7/12  
Phone No. (303) 893-0102

(State use only)  
Application approved by \_\_\_\_\_ Title \_\_\_\_\_  
Approval Date \_\_\_\_\_

Comments:

FEDERAL 16-22-9-16

Spud Date: 08/27/07  
Put on Production: 10/10/07  
GL: 5800' KB: 5812'

Initial Production: BOPD,  
MCFD, BWPD

### SURFACE CASING

CSG SIZE: 8-5/8" Cement  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (293 76')  
DEPTH LANDED: 305.61' KB Case  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 6 bbls cmt to surf

## PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 20' (240")  
DEPTH LANDED: 6051' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 350 sxs Prem Lite 11 mixed & 525 sxs 50/50 POZ  
CEMENT TOP: 39'

## TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 162 jts (4993 8')  
TUBING ANCHOR: 5005 8' KB  
NO. OF JOINTS: 2 jts (64 1')  
SEATING NIPPLE: 2-7/8" (1 10')  
SN LANDED AT: 5072 8'  
NO. OF JOINTS: 2 jts (61 40')  
TOTAL STRING LENGTH: EOT @ 5136' KB

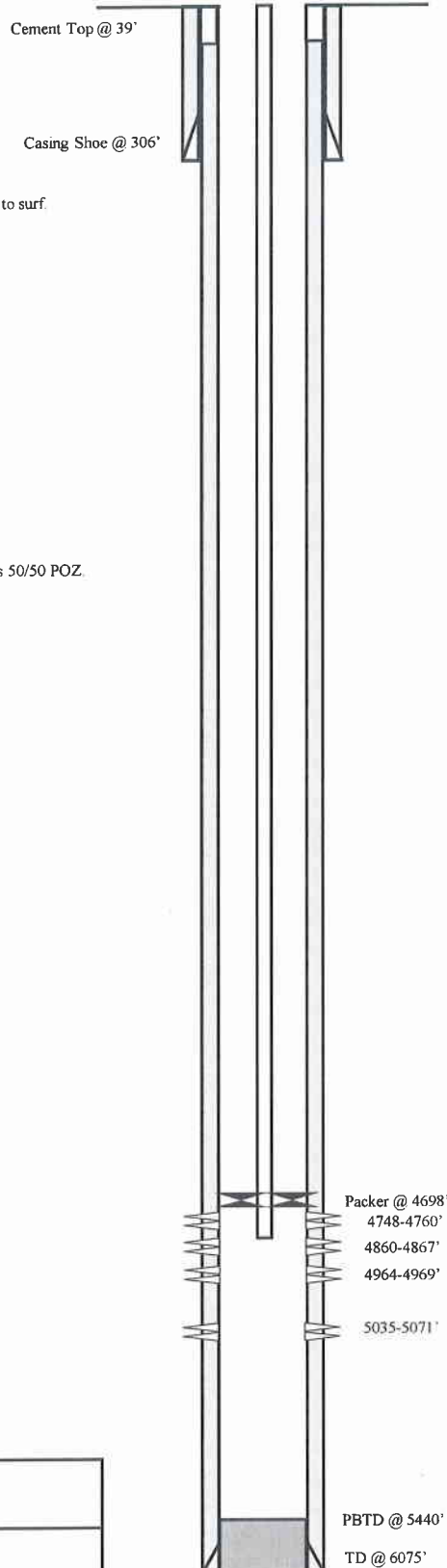
### Proposed Injection Wellbore Diagram

FRAC JOB

10/05/07	5035-5071'	<b>Frac A1 sands as follows:</b> 140366# 20/40 sand in 1008 bbl Lightning 17 frac fluid Treated @ avg press of 1851 psi w/avg rate of 24.8 BPM ISIP 2081 psi Calc flush: 5033 gal Actual flush: 4536 gal
10/06/07	4964-4969'	<b>Frac A.5 sands as follows:</b> 15004# 20/40 sand in 274 bbls Lightning 17 frac fluid Treated @ avg press of 2605 psi w/avg rate of 24.8 BPM ISIP 1909 psi Calc flush: 4962 gal Actual flush: 4456 gal
10/05/07	4860-4867'	<b>Frac B2 sands as follows:</b> 13965# 20/40 sand in 269 bbls Lightning 17 frac fluid Treated @ avg press of 2130 psi w/avg rate of 24.8 BPM ISIP 1925 psi Calc flush: 4858 gal Actual flush: 4355 gal
10/05/07	4748-4760'	<b>Frac C sands as follows:</b> 41811# 20/40 sand in 406 bbls Lightning 17 frac fluid Treated @ avg press of 2620 psi w/avg rate of 24.8 BPM ISIP 2235 psi Calc flush: 4746 gal Actual flush: 4662 gal
6/17/08		parted rods Updated rod and tubing detail
11/19/08		Pump Change Updated rod & tubing details
2/13/09		Tubing Leak Updated r & t details
6/18/2010		Tubing leak Updated rod and tubing detail

### PERFORATION RECORD

10/02/07	5035-5071'	4 JSPF	144 holes
10/05/07	4964-4969'	4 JSPF	20 holes
10/05/07	4860-4867'	4 JSPF	28 holes
10/05/07	4748-4760'	4 JSPF	48 holes



**FEDERAL 16-22-9-16**

2068'FSL &amp; 649' FEL

NE/SE Section 22-T9S-R16E

Duchesne Co, Utah

API #43-013-33394; Lease # UTU-74392

PBTd @ 5440°

TD @ 6075'

## **WORK PROCEDURE FOR INJECTION CONVERSION**

1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
3. Test casing and packer.
4. Rig down and move out.

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS  
RULE R615-5-1**

- 1. Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
- 2. A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**
  - 2.1 The name and address of the operator of the project.**

Newfield Production Company  
1001 17<sup>th</sup> Street, Suite 2000  
Denver, Colorado 80202
  - 2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.**

See Attachment A.
  - 2.3 A full description of the particular operation for approval is requested.**

Approval is requested to convert the Federal #16-22-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field.
  - 2.4 A description of the pools from which the identified wells are producing or have produced.**

The proposed injection well will inject into the Green River Formation.
  - 2.5 The names, description and depth of the pool or pools to be affected.**

The injection zone is in the Green River Formation. For the Federal #16-22-9-16 well, the proposed injection zone is from Garden Gulch to Basal Carbonate (3872' - 5440'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, which ever is shallower. The Garden Gulch Marker top is at 3536' and the TD is at 6075'.
  - 2.6 A copy of a log of a representative well completed in the pool.**

The referenced log for the Federal #16-22-9-16 is on file with the Utah Division of Oil, Gas and Mining.

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Newfield Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a Federal lease (Lease #UTU-74392) in the Monument Butte Federal (Green River) Field, and this request is for administrative approval.



**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,  
STORAGE AND ENHANCED RECOVERY WELLS  
SECTION V – RULE R615-5-2**

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**

- 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachments A and B.

- 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

- 2.4 Copies of logs already on file with the Division should be referenced, but need not be refilled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24# surface casing run to 306' KB, and 5-1/2", 15.5# casing run from surface to 6051' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

- 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

- 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F.

**The proposed average and maximum injection pressures.**

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1877 psig.

- 2.8 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.**

The minimum fracture gradient for the Federal #16-22-9-16, for existing perforations (4748' - 5071') calculates at 0.82 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1877 psig. We may add additional perforations between 3536' and 6075'. See Attachments G and G-1.

- 2.9 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.**

In the Federal #16-22-9-16, the proposed injection zone (3872' - 5440') is in the Garden Gulch to the Basal Carbonate of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

- 2.10 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.**

See Attachments E through E-11.

Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

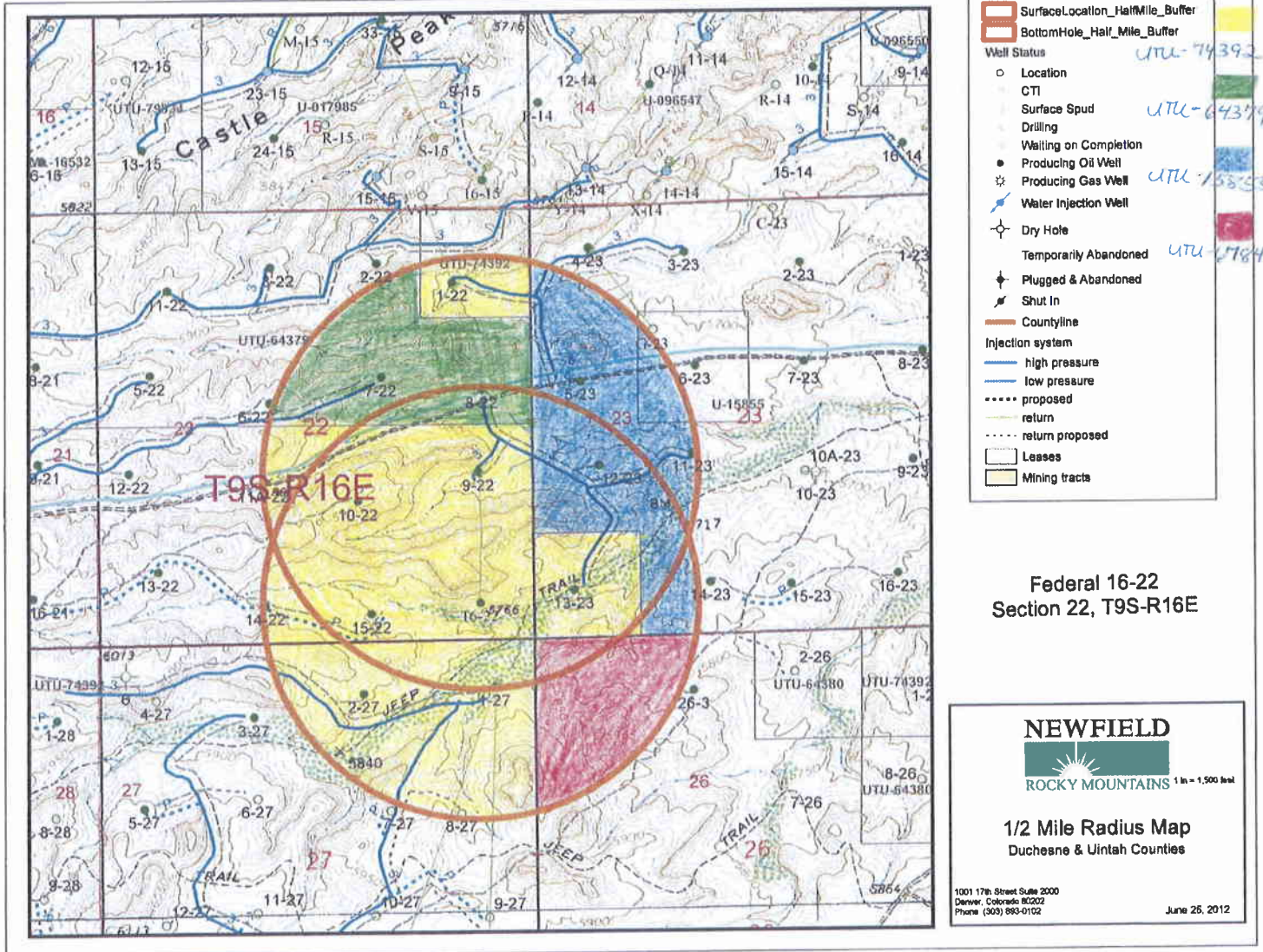
- 2.11 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.**

See Attachment C.

- 2.12 Any other information that the Board or Division may determine is necessary to adequately review the application.**

Newfield Production Company will supply any requested information to the Board or Division.

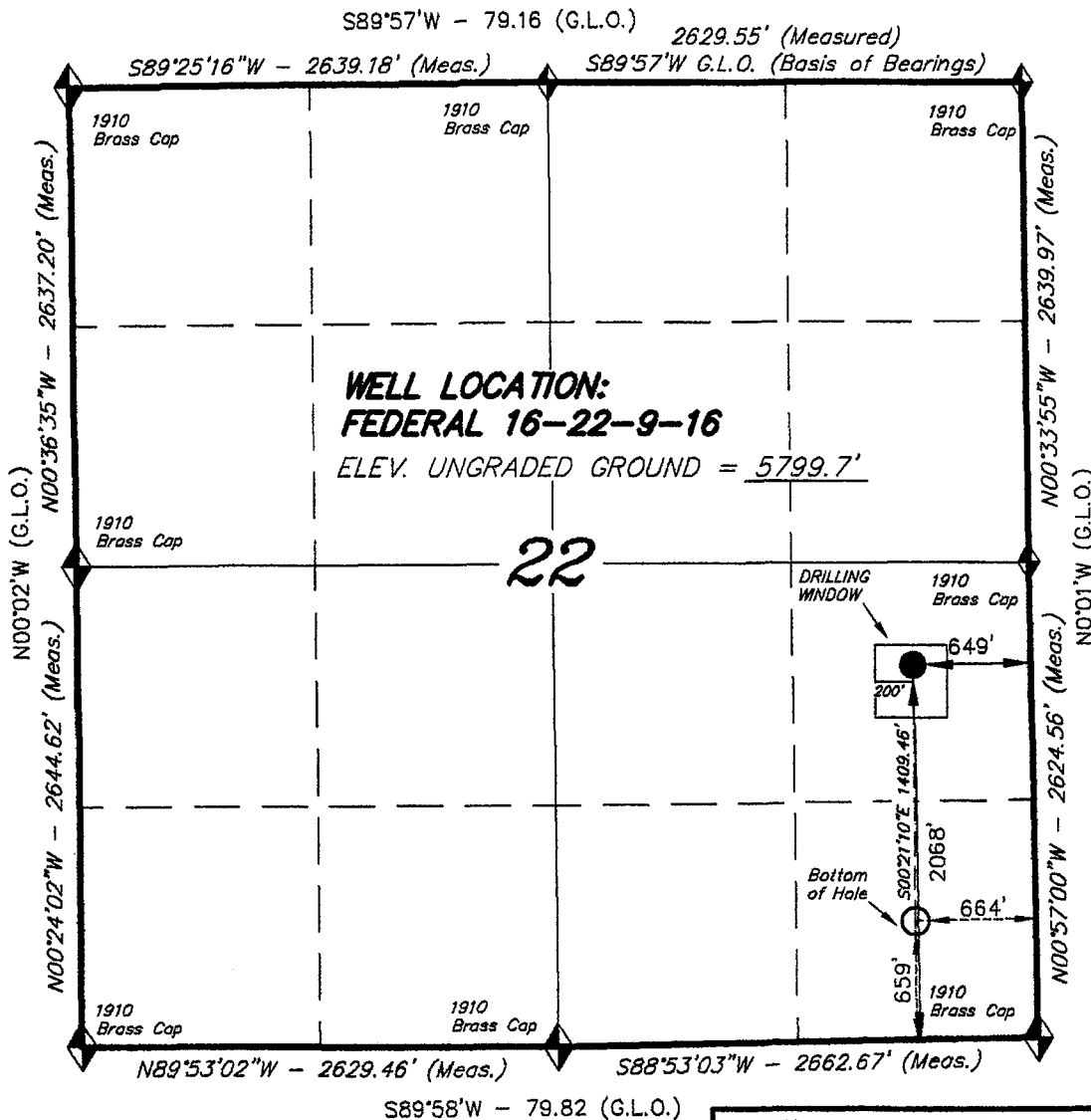
# Attachment A



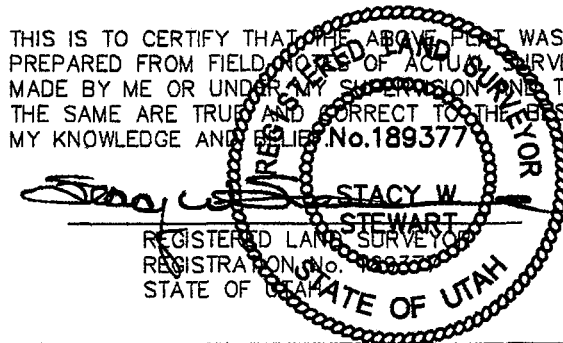
**T9S, R16E, S.L.B.&M.**

**NEWFIELD PRODUCTION COMPANY**

WELL LOCATION, FEDERAL 16-22-9-16  
THE TOP OF HOLE LOCATED AS SHOWN  
IN THE NE 1/4 SE 1/4, THE BOTTOM  
HOLE LOCATED AS SHOWN IN THE SE  
1/4 SE 1/4 OF SECTION 22, T9S, R16E,  
S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF. No. 189377



**TRI STATE LAND SURVEYING & CONSULTING**

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

DATE SURVEYED: 04-11-06	SURVEYED BY: C.M.
DATE DRAWN: 04-20-06	DRAWN BY: F.T.M.
REVISED: 06-15-06 F.T.M.	SCALE: 1" = 1000'

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV;  
U.S.G.S. 7-1/2 min QUAD (MYTON SE)

**FEDERAL 16-22-9-16**  
**(Surface Location) NAD 83**  
LATITUDE = 40° 00' 53.27"  
LONGITUDE = 110° 05' 54.15"

**EXHIBIT B**


#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
1	T9S-R16E SLM Section 21: S2 Section 22: NENE, S2 Section 23: SWSW Section 24: SESE Section 26: NENE Section 27: All Section 28: All	USA UTU-74392 HBP	Newfield Production Company Newfield RMI LLC ABO Petroleum Corp MYCO Industries Inc OXY Y-1 Company Yates Petroleum Corp	USA
2	T9S-R16E SLM Section 8: SWNE, SE Section 9: SWSW Section 17: NE Section 18: E2SW, SE, LOTS 3,4 Section 19: NE, E2NW, LOTS 1,2 Section 21: N2 Section 22: W2NE, SENE, NW	USA UTU-64379 HBP	Newfield Production Company Newfield RMI LLC Yates Petroleum Corp	USA
3	T9S-R16E SLM Section 23: E2, NW, E2SW, NWSW Section 24: N2, SW, N2SE, SWSE	USA UTU-15855 HBP	Newfield Production Company Newfield RMI LLC Bee Hive Oil LLC Journey Properties LLC King Oil & Gas of Texas ITD Six Gold Oil LLC Stone Energy Corp	USA
4	T9S-R16E SLM Section 25: W2SW, SESW Section 26: SWNE, NW, N2SW, SESW, SE	USA UTU-67844 HBP	Gasco Production Company III Exploration Company III Exploration II LP QEP Energy Company	USA

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
Federal #16-22-9-16

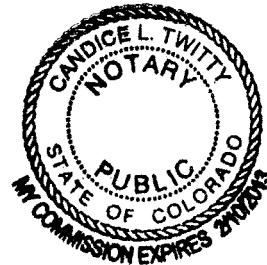
I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed:   
Newfield Production Company  
Eric Sundberg  
Regulatory Lead

Sworn to and subscribed before me this 7<sup>th</sup> day of June, 2012.

Notary Public in and for the State of Colorado: 

My Commission Expires  
02/10/2013  
My Commission Expires: \_\_\_\_\_



# FEDERAL 16-22-9-16

Attachment E

Spud Date: 08/27/07  
Put on Production: 10/10/07  
GL: 5800' KB: 5812'

## Wellbore Diagram

Initial Production: BOPD,  
MCFD, BWPD

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (293 76')  
DEPTH LANDED: 305.61' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 6 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 7 jts. (')  
DEPTH LANDED: 6051' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 350 sxs Prem. Lite II mixed & 525 sxs 50/50 POZ.  
CEMENT TOP: 39'

### TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 162 jts (4993 8')  
TUBING ANCHOR: 5005.8' KB  
NO. OF JOINTS: 2 jts (64 1')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5072.8'  
NO. OF JOINTS: 2 jts (61 40')  
TOTAL STRING LENGTH: EOT @ 5136' KB

### SUCKER RODS

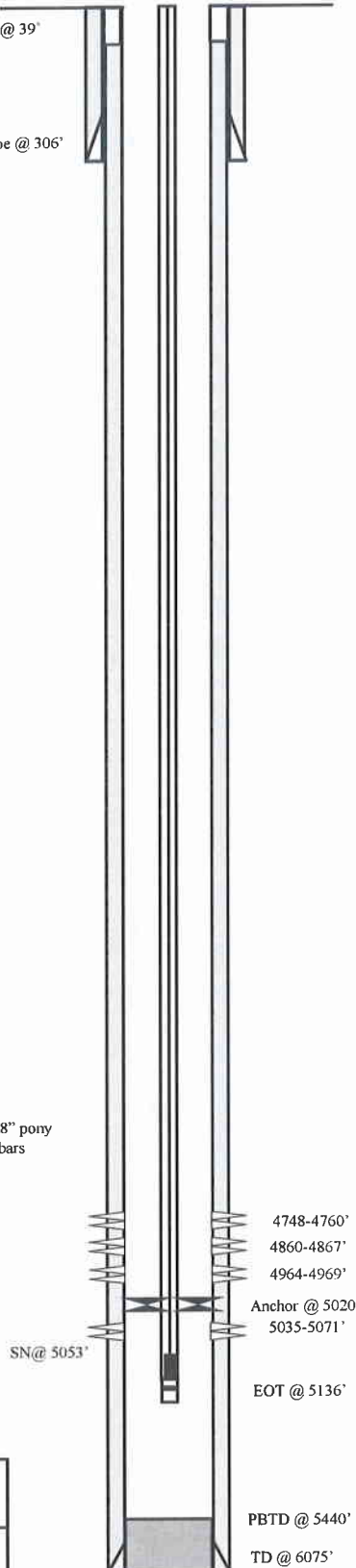
POLISHED ROD: 1-1/2" x 26' SM polished rods  
SUCKER RODS: 2-4' x 7/8" pony rods, 1-4' x 7/8" pony rod, 1-6' x 7/8" pony rod, 197-7/8" guided rods (8 per), 4-3' x 1" pony rods, 4-1 1/2" weight bars  
PUMP SIZE: CDI 2-1/2" x 1-3/4" x 16 x 20 RHAC  
STROKE LENGTH: 123"  
PUMP SPEED, SPM: 5

### FRAC JOB

10/05/07	5035-5071'	<b>Frac A1 sands as follows:</b> 140366# 20/40 sand in 1008 bbl Lightning 17 frac fluid Treated @ avg press of 1851 psi w/avg rate of 24.8 BPM ISIP 2081 psi. Calc flush: 5033 gal. Actual flush: 4536 gal.
10/06/07	4964-4969'	<b>Frac A.5 sands as follows:</b> 15004# 20/40 sand in 274 bbls Lightning 17 frac fluid Treated @ avg press of 2605 psi w/avg rate of 24.8 BPM ISIP 1909 psi. Calc flush: 4962 gal. Actual flush: 4456 gal.
10/05/07	4860-4867'	<b>Frac B2 sands as follows:</b> 13965# 20/40 sand in 269 bbls Lightning 17 frac fluid Treated @ avg press of 2130 psi w/avg rate of 24.8 BPM ISIP 1925 psi. Calc flush: 4858 gal. Actual flush: 4355 gal.
10/05/07	4748-4760'	<b>Frac C sands as follows:</b> 41811# 20/40 sand in 406 bbls Lightning 17 frac fluid Treated @ avg press of 2620 psi w/avg rate of 24.8 BPM ISIP 2235 psi. Calc flush: 4746 gal. Actual flush: 4662 gal.
6/17/08		parted rods. Updated rod and tubing detail
11/19/08		Pump Change. Updated rod & tubing details
2/13/09		Tubing Leak. Updated r & t details
6/18/2010		Tubing leak. Updated rod and tubing detail.

### PERFORATION RECORD

10/02/07	5035-5071'	4 JSPF	144 holes
10/05/07	4964-4969'	4 JSPF	20 holes
10/05/07	4860-4867'	4 JSPF	28 holes
10/05/07	4748-4760'	4 JSPF	48 holes



**NEWFIELD**

**FEDERAL 16-22-9-16**

2068' FSL & 649' FEL

NE/SE Section 22-T9S-R16E

Duchesne Co, Utah

API #43-013-33394; Lease # UTU-74392

ML 7/9/2010



## Federal 1-22-9-16

Spud Date: 12-26-05  
 Put on Production: 01-19-06  
 GL: 5742' KB: 5754'

Wellbore Diagram

Initial Production: BOPD,  
 MCFD, BWPD

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (315.48')  
 DEPTH LANDED: 327.33' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 139 jts (5871.28')  
 DEPTH LANDED: 5869.78' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 400 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ  
 CEMENT TOP AT: 120'

TUBING

SIZE/GRADE/WT: 2-7/8" / J-55  
 NO. OF JOINTS: 170 jts (5390.80')  
 TUBING ANCHOR: 5403' KB  
 NO. OF JOINTS: 1 jts (31.4')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5437' KB  
 NO. OF JOINTS: 2 jts (63.20')  
 TOTAL STRING LENGTH: EOT @ 5502' KB

SUCKER RODS

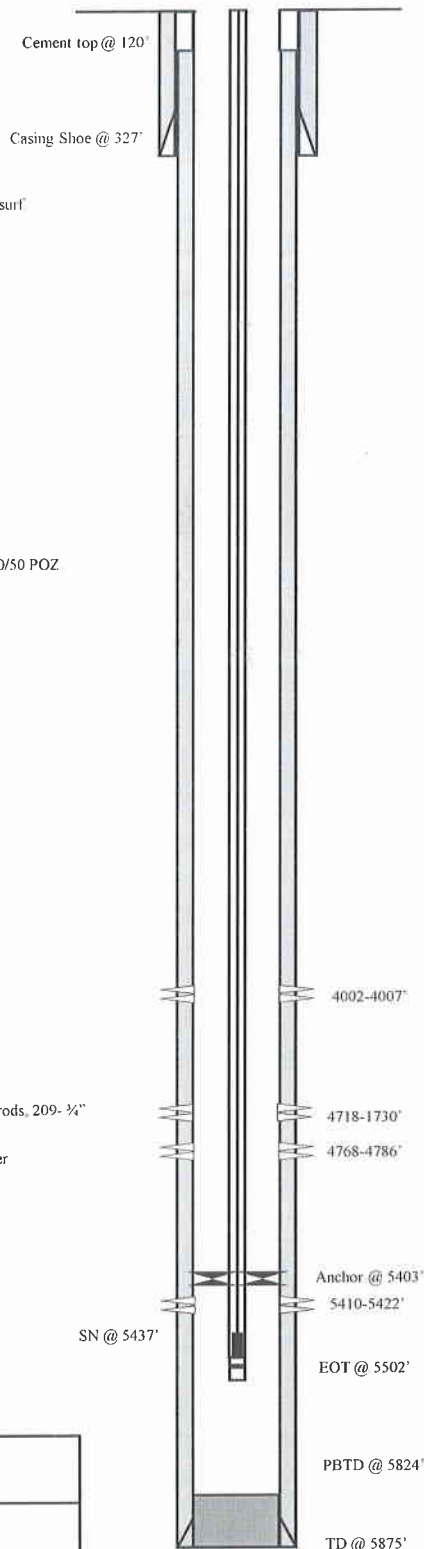
POLISHED ROD: 1-1/2" x 26' SM  
 SUCKER RODS: 1-8' & 1-2' 3/4" pony rods, 100- 3/4" guided rods, 209- 3/4" guided rods, 6-1 1/2" sinker bars, 6-1" Stabilizer Rods  
 PUMP SIZE: 2-1/2" x 1-1/2" x 12' x 16' RHAC w/SM plunger  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 5 SPM


FRAC JOB

01-16-06	5410-5422'	<b>Frac CP2, sands as follows:</b> 45584# 20/40 sand in 483 bbls Lightning 17 frac fluid. Treated @ avg press of 2087 psi w/avg rate of 25 BPM. ISIP 2130 psi. Calc flush: 5408 gal. Actual flush: 4788 gal.
01-16-06	4718-4730'	<b>Frac B2, &amp; B1 sands as follows:</b> 124027# 20/40 sand in 851 bbls Lightning 17 frac fluid. Treated @ avg press of 1490 psi w/avg rate of 24.9 BPM. ISIP 1900 psi. Calc flush: 4716 gal. Actual flush: 4116 gal.
01-16-06	4002-4007'	<b>Frac GB6 sands as follows:</b> 23163# 20/40 sand in 305 bbls Lightning 17 frac fluid. Treated @ avg press of 1785 psi w/avg rate of 14.5 BPM. ISIP 2080 psi. Calc flush: 4000 gal. Actual flush: 3877 gal.
03/22/06		Pump Change. Update rod and tubing details.
9-3-08		Pump Change. Updated rod & tubing details.
7/21/09		Tubing Leak. Updated rod & tubing details.
01/13/2011		Pump Change. Rod & tubing detail updated.

PERFORATION RECORD

01-11-06	5410-5422'	4 JSPF	48 holes
01-16-06	4768-4786'	4 JSPF	72 holes
01-16-06	4718-4730'	4 JSPF	48 holes
01-16-06	4002-4007'	4 JSPF	20 holes




<b>Federal 1-22-9-16</b> 887' FNL & 963' FEL NE/NE Section 22-T9S-R16E Duchesne Co, Utah API #43-013-32612; Lease #UTU-74392



## Federal 6-22-9-16

Spud Date: 3-13-08  
Put on Production 5-6-08  
GL: 5913' KB: 5925'

## Wellbore Diagram

Initial Production: BOPD,  
MCFD, BWPD

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (290 93')  
DEPTH LANDED 302.78' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 141 jts (5933 60')  
DEPTH LANDED: 5946.85' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
CEMENT TOP AT: 196'

TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
NO OF JOINTS: 168 jts (5278 14')  
TUBING ANCHOR: 5290 14' KB  
NO OF JOINTS: 2 jts (63 11')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5356.05' KB  
NO OF JOINTS: 1 jts (31 47')  
TOTAL STRING LENGTH: EOT @ 5583.08' KB

SUCKER RODS

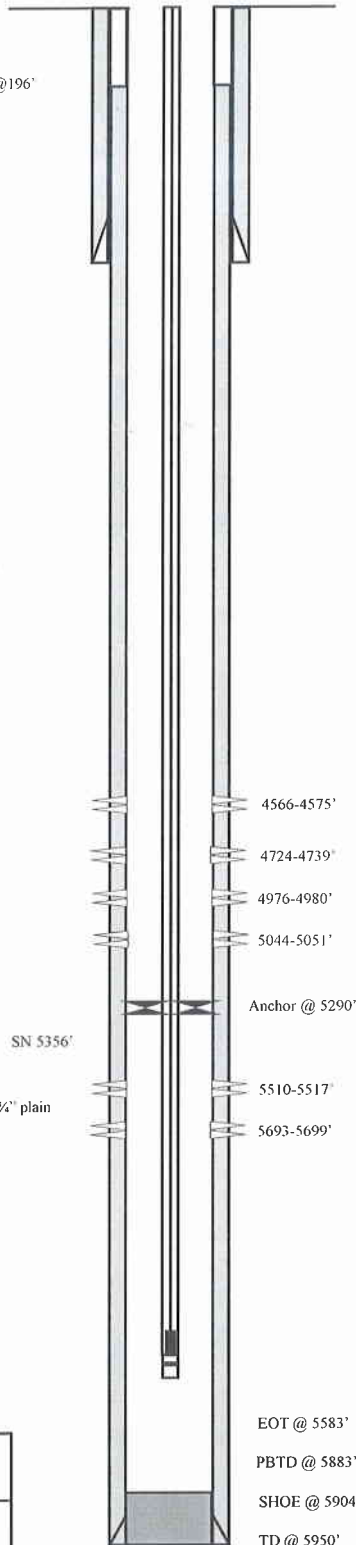
POLISHED ROD: 1-1/2" x 26' SM  
SUCKER RODS: 2', 6', 8' x 3/4" pony rods, 99- 3/4" scraped rods, 88- 3/4" plain rods, 20- 3/4" scraped rods, 6- 1 1/2" weight rods  
PUMP SIZE: 2-1/2" x 1-1/2" x 16" RHAC w/SM plunger  
STROKE LENGTH: 86"  
PUMP SPEED, SPM: 5 SPM

FRAC JOB

04-30-08	5693-5699'	<b>Frac CP4 sands as follows:</b> 16361# 20/40 sand in 302 bbls Lightning 17 frac fluid. Treated @ avg press of 2441 psi w/avg rate of 23.2 BPM. ISIP 2055 psi. Calc flush: 5691 gal. Actual flush: 5250 gal.
04-30-08	5510-5517'	<b>Frac CP2 sands as follows:</b> 15257# 20/40 sand in 279 bbls Lightning 17 frac fluid. Treated @ avg press of 2046 psi w/avg rate of 23.2 BPM. ISIP 1762 psi. Calc flush: 5508 gal. Actual flush: 4998 gal.
04-30-08	4976-5051'	<b>Frac A3, &amp; A1 sands as follows:</b> 14997# 20/40 sand in 235 bbls Lightning 17 frac fluid. Treated @ avg press of 2158 psi w/avg rate of 23.2 BPM. ISIP 1884 psi. Calc flush: 4974 gal. Actual flush: 4494 gal.
4-30-08	4724-4739'	<b>Frac C sands as follows:</b> 115315# 20/40 sand in 825 bbls Lightning 17 frac fluid. Treated @ avg press of 1876 psi w/avg rate of 23.2 BPM. ISIP 2044 psi. Calc flush: 4722 gal. Actual flush: 4242 gal.
04-30-08	4566-4575'	<b>Frac D1 sands as follows:</b> 40206# 20/40 sand in 394 bbls Lightning 17 frac fluid. Treated @ avg press of 1832 psi w/avg rate of 23.2 BPM. ISIP 1850 psi. Calc flush: 4564 gal. Actual flush: 4452 gal.

PERFORATION RECORD

04-24-08	5693-5699'	4 JSPF	24 holes
04-30-08	5510-5517'	4 JSPF	28 holes
04-30-08	5044-5051'	4 JSPF	28 holes
04-30-08	4976-4980'	4 JSPF	16 holes
04-30-08	4724-4739'	4 JSPF	60 holes
04-30-08	4566-4575'	4 JSPF	36 holes



Federal 6-22-9-16

2340' FNL &amp; 2060' FWL

SE/NW Section 22-T9S-R16E

Duchesne Co, Utah

API # 43-013-33026; Lease # UTU-34379

# Federal 7-22-9-16

Attachment E-3

Spud Date: 3/12/08  
Put on Production: 04/23/08  
GL: 5818' KB: 5880'

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 8 jts (323 72')  
DEPTH LANDED: 336'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 141 jts (5930.89')  
HOLE SIZE: 7-7/8"  
DEPTH LANDED: 5944'  
CEMENT DATA: 300 sk Prem Lite II mixed & 400 sxs 50/50 POZ  
CEMENT TOP AT: 146'

### TUBING

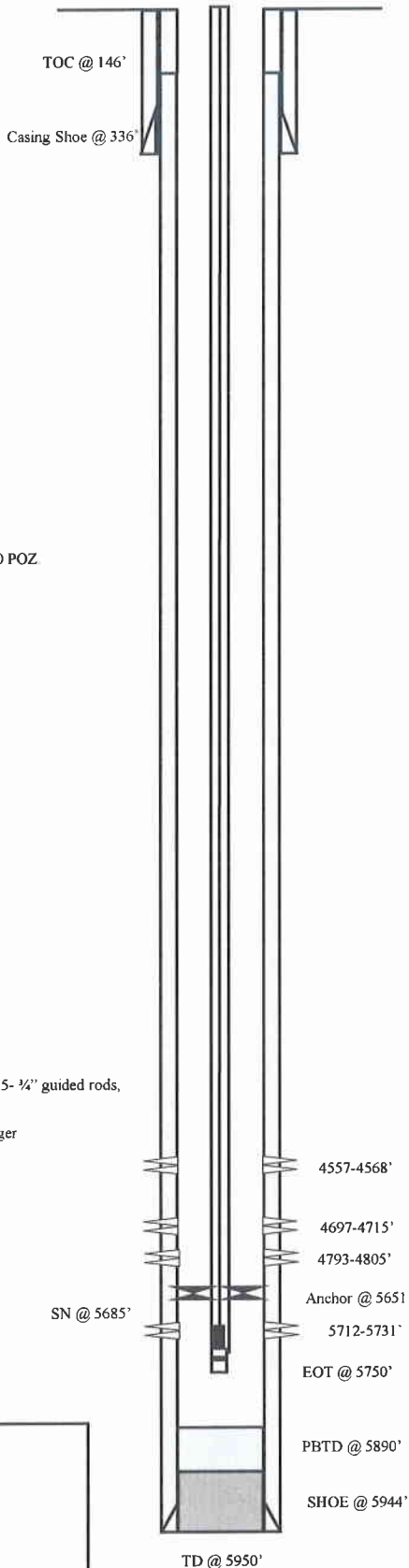
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 183 jts (5639.3')  
TUBING ANCHOR: 5651.2'  
NO. OF JOINTS: 1 jts (31.4')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5685.4' KB  
NO. OF JOINTS: 2 jts (62.90')  
TOTAL STRING LENGTH: EOT @ 5750' w/12' KB

### SUCKER RODS

POLISHED ROD: 1-1/2" x 26'  
SUCKER RODS: 1-2' x 1/4" pony rod, 1-4' x 1/4" pony rod, 115-1/4" guided rods, 67-1/4" guided rods, 40-1/4" guided rods, 6-1 1/2" weight bars  
PUMP SIZE: 2-1/2" x 1-1/2" x 20" RHAC pump w/ SM plunger  
STROKE LENGTH: 102"  
PUMP SPEED, SPM: 5

### FRAC JOB

04-17-08	5712-5731'	<b>Frac CP5 sands as follows:</b> Frac with 45958 #'s of 20/40 sand in 460 bbls of Lightning 17 fluid. Treat at an ave pressure of 1725 psi @ 23.3 BPM. ISIP 1824 psi.
04-17-08	4793-4805'	<b>Frac B1 sands as follows:</b> Frac with 40109 #'s of 20/40 sand in 402 bbls of Lightning 17 fluid. Treat at an ave pressure of 1811 psi @ 23.3 BPM. ISIP 1936 psi.
04-17-08	4697-4715'	<b>Frac C sands as follows:</b> Frac with 109892 #'s of 20/40 sand in 801 bbls of Lightning 17 fluid. Treat at an ave pressure of 2002 psi @ 23.3 BPM. ISIP 2125 psi.
04-17-08	4557-4568'	<b>Frac D1 sands as follows:</b> Frac with 52326 #'s of 20/40 sand in 490 bbls of Lightning 17 fluid. Treat at an ave pressure of 2259 psi @ 23.3 BPM. ISIP 2160 psi.
04-29-08		Pump change. Tubing and rod details updated.
5/8/2010		Pump changed. Updated rod and tubing detail.



### PERFORATION RECORD

4557-4568'	4 JSPF	44 holes
4697-4715'	4 JSPF	72 holes
4793-4805'	4 JSPF	48 holes
5712-5731'	4 JSPF	76 holes

**NEWFIELD**



**Federal 7-22-9-16**  
2036' FNL & 1837' FEL  
SWNE Section 22-T9S-R16E  
Duchesne Co, Utah  
API #43-013-33027; Lease #UTU-64379

## Federal 8-22-9-16

Spud Date: 11/01/06  
 Put on Production: 12/13/06  
 K.B.: 5791, G.L.: 5779

SURFACE CASING

CSG SIZE 8-5/8"  
 GRADE J-55  
 WEIGHT 24#  
 LENGTH 7 jts (310.68')  
 DEPTH LANDED 322.53' KB  
 HOLE SIZE 12-1/4"  
 CEMENT DATA 160 sxs Class "G" cmt, est 5 bbls cmt to surf

PRODUCTION CASING

CSG SIZE 5-1/2"  
 GRADE J-55  
 WEIGHT 15.5#  
 LENGTH 133 jts (5837.43')  
 DEPTH LANDED 5850.68' KB  
 HOLE SIZE 7-7/8"  
 CEMENT DATA 322 sxs Prem Lite II mixed & 450 sxs 50/50 POZ  
 CEMENT TOP 60'

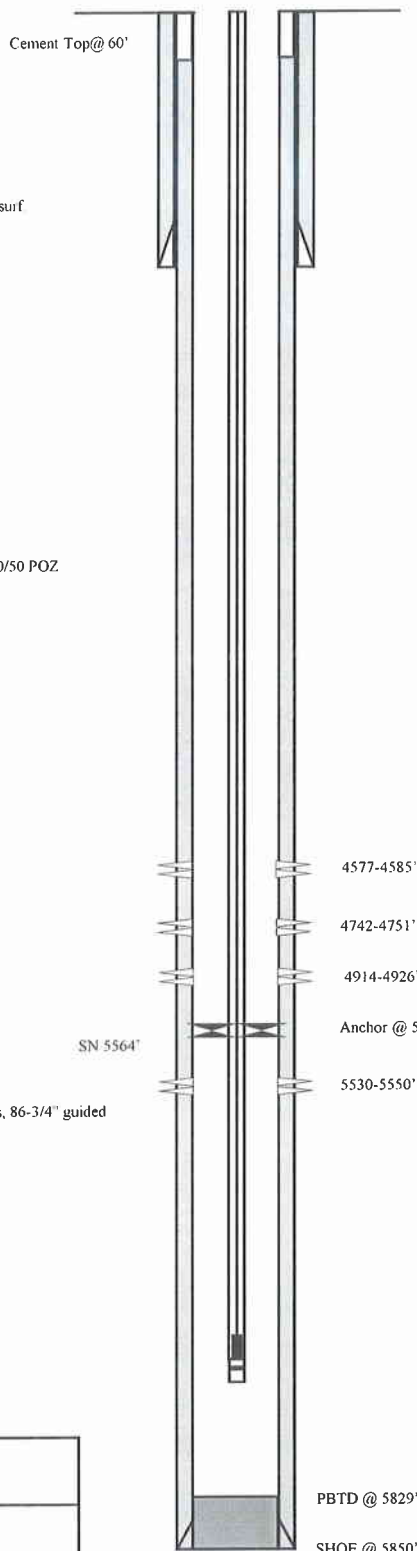
TUBING

SIZE/GRADE/WT 2-7/8" / J-55 / 6.5#  
 NO OF JOINTS 175 jts (5517.93')  
 TUBING ANCHOR 5517.90' KB  
 NO OF JOINTS 1 jts (31.70')  
 SEATING NIPPLE 2-7/8" (1.10')  
 SN LANDED AT 5552.4' KB  
 NO OF JOINTS 2 jts (63.10')  
 TOTAL STRING LENGTH EOT @ 5617' KB

SUCKER RODS

POLISHED ROD 1-1/2" x 22' SM  
 SUCKER RODS 2-8" x 3/4" pony rod, 100-3/4" guided rods, 86-3/4" guided rods, 30-3/4" guided rods, 6-1 1/2" weight rods  
 PUMP SIZE 2-1/2" x 1-1/2" x 14" RHAC w/SM plunger  
 STROKE LENGTH 61"  
 PUMP SPEED, 5 SPM

## Wellbore Diagram




Initial Production: BOPD,  
 MCFD, BWPD

FRAC JOB

12/08/06	5530-5550'	<b>Frac CP4, sands as follows:</b> 30245# 20/40 sand in 381 bbls Lightning 17 frac fluid Treated @ avg press of 2020 psi w/avg rate of 25 BPM ISIP 1960 psi Calc flush 5548 gal Actual flush 4998 gal
12/08/06	4914-4926'	<b>Frac A1 sands as follows:</b> 70951# 20/40 sand in 533 bbls Lightning 17 frac fluid Treated @ avg press of 1762 psi w/avg rate of 25 BPM ISIP 2190 psi Calc flush 4924 gal Actual flush 4452 gal
12/08/06	4742-4751'	<b>Frac B2 sands as follows:</b> 29729# 20/40 sand in 414 bbls Lightning 17 frac fluid Treated @ avg press of 2490 psi w/avg rate of 25 BPM ISIP 1950 psi Calc flush 4749 gal Actual flush 4242 gal
12/08/06	4577-4585'	<b>Frac C sands as follows:</b> 26560# 20/40 sand in 342 bbls Lightning 17 frac fluid Treated @ avg press of 2804 psi w/avg rate of 25 BPM ISIP psi Calc flush 4583 gal Actual flush 4242 gal
07/16/10		Pump Change Rod & Tubing detail

PERFORATION RECORD

12/05/06	5530-5550'	4 JSPF	80 holes
12/08/06	4914-4926'	4 JSPF	48 holes
12/08/06	4742-4751'	4 JSPF	36 holes
12/08/06	4577-4585'	4 JSPF	32 holes


<b>Federal 8-22-9-16</b> 2200' FNL & 618' FEL SE/NE Section 22-T9S-R16E Duchesne Co, Utah API #43-013-32959; Lease #UTU-64379

TW 09/14/10

## Federal 9-22-9-16

Spud Date: 4-19-2007  
Put on Production: 6-08-2007

GL: 5803' KB: 5815'

**SURFACE CASING**

CSG SIZE 8-5/8"  
GRADE J-55  
WEIGHT 24#  
LENGTH 7 jts (309.25')  
DEPTH LANDED 322.91' KB  
HOLE SIZE 12-1/4"  
CEMENT DATA 160 sxs Class "G" cmt. est 5 bbls cmt to surf

**PRODUCTION CASING**

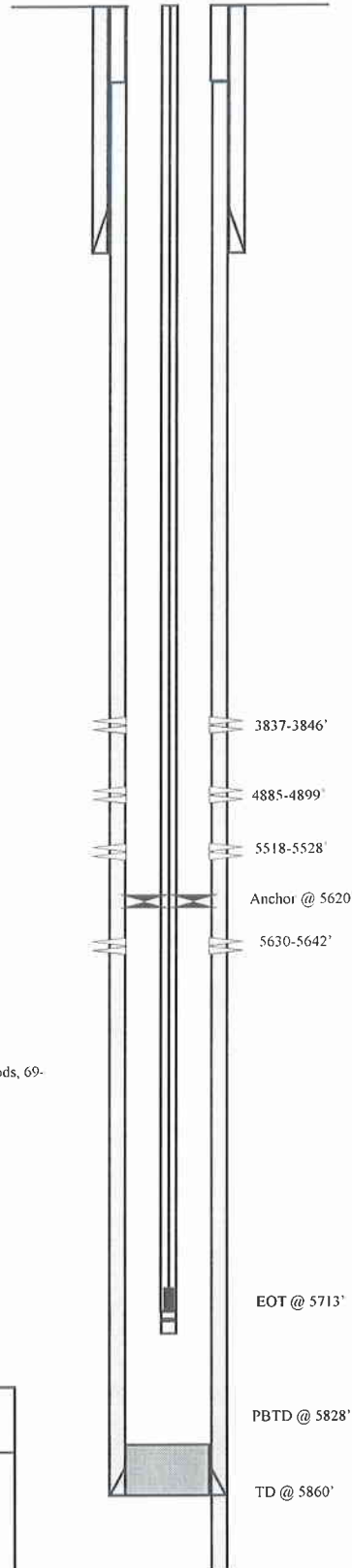
CSG SIZE 5-1/2"  
GRADE J-55  
WEIGHT 15.5#  
LENGTH 133 jts (5855.48')  
DEPTH LANDED 5852.48' KB  
HOLE SIZE 7-7/8"  
CEMENT DATA 325 sxs Prem Lite II mixed & 425 sxs 50/50 POZ  
CEMENT TOP AT 68'

**TUBING**

SIZE/GRADE/WT: 2-7/8" / J-55  
NO OF JOINTS: 182 jts (5608')  
TUBING ANCHOR: 5620'  
NO OF JOINTS 1 jts (28.32')  
SEATING NIPPLE 2-7/8" (1.10')  
SN LANDED AT 5651'  
NO OF JOINTS 2 jts (60.92')  
TOTAL STRING LENGTH EOT @ 5713'

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 26'  
SUCKER RODS 1-2", 4", 6" x 8" X 3/4" pony rods, 99-3/4" guided rods, 69-3/4" sucker rods, 50-3/4" guided rods, 6-1 1/2" sinker bars,  
PUMP SIZE 2-1/2" x 1-1/4" x 16" x 22" RHAC  
STROKE LENGTH 120"  
PUMP SPEED, SPM 5 SPM

**Wellbore Diagram**


Initial Production: BOPD.  
MCFD. BWPD

**FRAC JOB**

06-05-07	5630-5642'	<b>Frac CP5 sands as follows:</b> 39984# 20/40 sand in 405 bbls Lightning 17 frac fluid Treated @ avg press of 1953 psi w/avg rate of 24.7 BPM ISIP 2165 psi Calc flush 5328 gal Actual flush 5208 gal
06-05-07	5518-5528'	<b>Frac CP4 sands as follows:</b> 25037# 20/40 sand in 336 bbls Lightning 17 frac fluid Treated @ avg press of 2283 psi w/avg rate of 24.7 BPM ISIP 2241 psi Calc flush 5516 gal Actual flush 4998 gal
06-05-07	4885-4899'	<b>Frac A1 sands as follows:</b> 59792# 20/40 sand in 485 bbls Lightning 17 frac fluid Treated @ avg press of 1701 psi w/avg rate of 24.7 BPM ISIP 2240 psi Calc flush 4883 gal Actual flush 4368 gal
06-05-07	3837-3846'	<b>Frac GB2 sands as follows:</b> 35741# 20/40 sand in 345 bbls Lightning 17 frac fluid Treated @ avg press of 1806 w/ avg rate of 24.7 BPM ISIP 2950 psi Calc flush 3835 gal Actual flush 3738 gal
12-13-07		Pump Change Updated rod & tubing details
1-30-08		Pump Change Updated rod & tubing details
8-29-08		Pump Change Updated rod & tubing details
1/23/09		Pump Change Updated r & t details
10/05/11		Pump Change Rods & tubing updated

**PERFORATION RECORD**

05-30-07	5630-5642'	4 JSPF	48 holes
06-05-07	5518-5528'	4 JSPF	40 holes
06-05-07	4885-4899'	4 JSPF	96 holes
06-05-07	3837-3846'	4 JSPF	36 holes


<b>Federal 9-22-9-16</b> 2079' FNL & 668' FEL NE/SE Section 22-T9S-R16E Duchesne Co, Utah API # 43-013-33175; Lease # UTU-74392

## FEDERAL 10-22-9-16

Spud Date: 04/26/07  
Put on Production: 06/29/07

GL: 5955' KB: 5967'

SURFACE CASING

CSG SIZE 8-5/8"  
GRADE J-55  
WEIGHT 24#  
LENGTH 7 jts (310 97')  
DEPTH LANDED 322 82' KB  
HOLE SIZE 12-1/4"  
CEMENT DATA 160 sxs Class "G" cmt, est 6 bbls cmt to surf

PRODUCTION CASING

CSG SIZE 5-1/2"  
GRADE J-55  
WEIGHT 15.5#  
LENGTH 133 jts (5904 01')  
DEPTH LANDED 5917 26' KB  
HOLE SIZE 7-7/8"  
CEMENT DATA 300 sxs Prem Lite II mixed & 425 sxs 50/50 POZ  
CEMENT TOP 160'

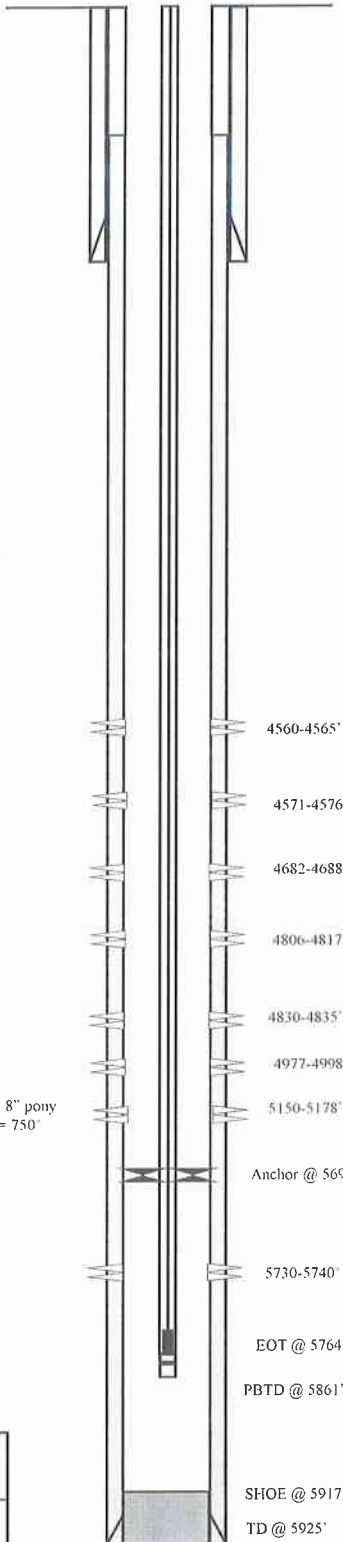
TUBING

SIZE/GRADE/WT 2-7/8" / J-55 / 6.5#  
NO OF JOINTS 182 jts (5685 0')  
TUBING ANCHOR 5697 0' KB  
NO OF JOINTS 1 jts (31 4')  
SEATING NIPPLE 2-7/8" (1 10')  
SN LANDED AT 5731 2' KB  
NO OF JOINTS 1 jts (31 7')  
TOTAL STRING LENGTH EOT @ 5764' KB

SUCKER RODS

POLISHED ROD 1-1/2" x 26' SM polished rods  
SUCKER RODS 2 x 3/4" - 8' pony rod, 1 x 3/4" = 6' pony rod, 1 x 3/4" = 8' pony rod, 98-3/4" = 2450' guided rods, 93-3/4" = 2325' sucker rods, 30-3/4" = 750' guided rods, 6-1 1/2" = 150' weight bars  
PUMP SIZE 2 1/2" x 1 1/4" x 12 x 16" RHAC  
STROKE LENGTH 86"  
PUMP SPEED, SPM 5

## Wellbore Diagram



Initial Production: BOPD,  
MCFD, BWPD

FRAC JOB

06/25/07 5730-5740' **Frac CP5 sands as follows:**  
40069# 20/40 sand in 408 bbls Lightning 17  
frac fluid Treated @ avg press of 1945 psi  
w/avg rate of 24.7 BPM ISIP 2163 psi Calc  
flush 5728 gal Actual flush 5208 gal

06/26/07 5150-5178' **Frac LODC sands as follows:**  
126558# 20/40 sand in 899 bbls Lightning 17  
frac fluid Treated @ avg press of 2216 psi  
w/avg rate of 24.7 BPM ISIP 2676 psi Calc  
flush 5148 gal Actual flush 4662 gal

06/26/07 4977-4998' **Frac A1 sands as follows:**  
94957# 20/40 sand in 708 bbls Lightning 17  
frac fluid Treated @ avg press of 1623 psi  
w/avg rate of 24.7 BPM ISIP 1945 psi Calc  
flush 4975 gal Actual flush 4494 gal

06/26/07 4806-4835' **Frac B2 & B1 sands as follows:**  
61885# 20/40 sand in 508 bbls Lightning 17  
frac fluid Treated @ avg press of 1689 psi  
w/avg rate of 24.7 BPM ISIP 1825 psi Calc  
flush 4804 gal Actual flush 4326 gal

06/26/07 4682-4688' **Frac D3 sands as follows:**  
12609# 20/40 sand in 241 bbls Lightning 17  
frac fluid Treated @ avg press of 2133 psi  
w/avg rate of 24.7 BPM ISIP 1776 psi Calc  
flush 4680 gal Actual flush 4221 gal

06/26/07 4560-4565' **Frac D1 sands as follows:**  
16073# 20/40 sand in 246 bbls Lightning 17  
frac fluid Treated @ avg press of 1881 psi  
w/avg rate of 24.7 BPM ISIP 1857 psi Calc  
flush 4558 gal Actual flush 4494 gal

05/28/08 pump change Updated rod and tubing details

4560-4565' 6/21/2010 Parted rods Updated rod and tubing detail

6/23/2010 Parted rods Updated rod and tubing detail

3/15/11 Parted rods Updated rod and tubing detail

PERFORATION RECORD

Date	Interval	Tool	Holes
06/21/07	5730-5740'	4 JSPF	40 holes
06/25/07	5150-5178'	4 JSPF	112 holes
06/26/07	4977-4998'	4 JSPF	84 holes
06/26/07	4830-4835'	4 JSPF	20 holes
06/26/07	4806-4817'	4 JSPF	44 holes
06/26/07	4682-4688'	4 JSPF	24 holes
06/26/07	4571-4576'	4 JSPF	20 holes
06/26/07	4560-4565'	4 JSPF	20 holes

**FEDERAL 10-22-9-16**

1736'FSL & 2137' FEL

NW/SE Section 22-T9S-R16E

Duchesne Co, Utah

API #43-013-33166; Lease # UTU-74392

## Federal 11A-22-9-16

Spud Date 5-15-07  
Put on Production 7-18-07  
GL: 5867' KB: 5879'

**SURFACE CASING**

CSG SIZE 8-5/8"  
GRADE J-55  
WEIGHT 24#  
LENGTH 7 jnts (311 35')  
DEPTH LANDED 323 2' KB  
HOLE SIZE 12-1/4"  
CEMENT DATA 160 sxs Class "G" cmt. est 3 bbls cmt to surf.

**PRODUCTION CASING**

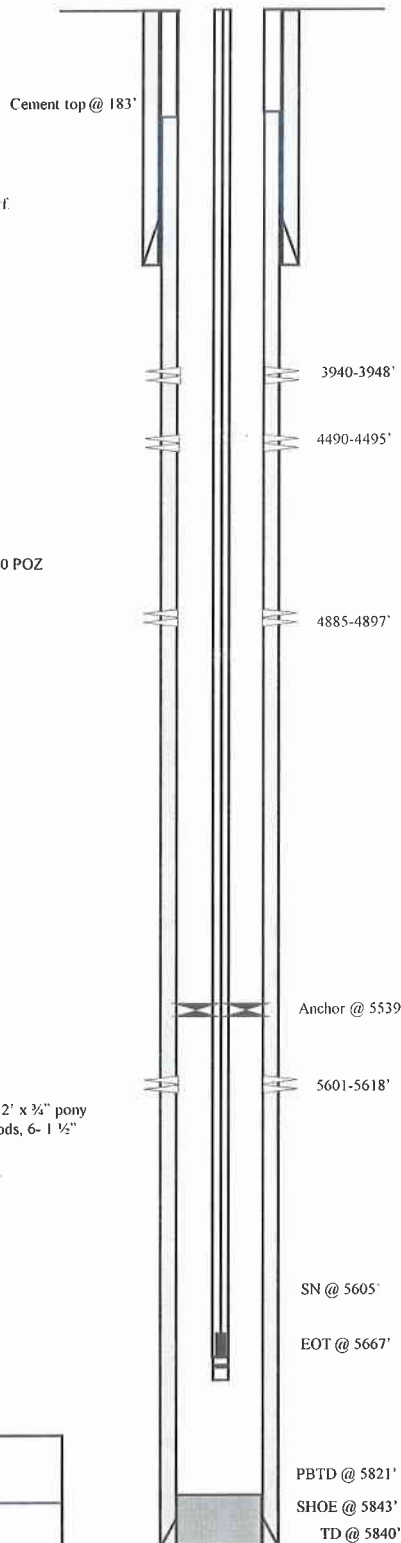
CSG SIZE 5-1/2"  
GRADE J-55  
WEIGHT 15.5#  
LENGTH 134 jts (5829 37')  
DEPTH LANDED 5842 62' KB  
HOLE SIZE 7-7/8"  
CEMENT DATA 300 sxs Prem Lite II mixed & 400 sxs 50/50 POZ  
CEMENT TO SURFACE 183'

**TUBING**

SIZE/GRADE/WT : 2-7/8" / J-55 / 6.5#  
NO OF JOINTS 178 jts (5538 8')  
TUBING ANCHOR 5538 8' KB  
NO OF JOINTS: 2 jts (63 2')  
SEATING NIPPLE: 2-7/8" (1 10')  
SN LANDED AT 5604 8' KB  
NO OF JOINTS 2 jts (60 4')  
TOTAL STRING LENGTH: EOT @ 5667' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 26' SM  
SUCKER RODS: 1- 8' x 3/4" pony rod, 1- 4' x 3/4" pony rod, 1- 2' x 3/4" pony rod, 100- 3/4" guided rods, 52- 3/4" guided rods, 66- 3/4" guided rods, 6- 1 1/2" weight bars  
PUMP SIZE 2-1/2" x 1-1/2" x 16' x 20' RHAC w/SM plunger  
STROKE LENGTH 120  
PUMP SPEED, SPM 5

**Wellbore Diagram**

Initial Production: BOPD,  
MCFD, BWPD

**FRAC JOB**

7-9-07	5601-5618'	<b>Frac CP5 sands as follows:</b> 50556# 20/40 sand in 495 bbls Lightning 17 frac fluid Treated @ avg press of 1972 psi w/avg rate of 24 8 BPM ISIP 2200 psi Calc flush 5599 gal Actual flush 5082 gal
7-11-07	4885-4897'	<b>Frac A1 sands as follows:</b> 70631# 20/40 sand in 616 bbls Lightning 17 frac fluid Treated @ avg press of 1959 psi w/avg rate of 24 8 BPM ISIP 2160 psi Calc flush 48831 gal Actual flush 4410 gal
7-13-07	4490-4495'	<b>Frac D1 sands as follows:</b> 20088# 20/40 sand in 310 bbls Lightning 17 frac fluid Treated @ avg press of 1769 psi w/avg rate of 24 8 BPM ISIP 1908 psi Calc flush 4489 gal Actual flush 3990 gal
7-13-07	3940-3948'	<b>Frac GB4 sands as follows:</b> 42107# 20/40 sand in 394 bbls Lightning 17 frac fluid 24 8 BPM ISIP 1470psi Calc flush 3938 gal Actual flush: 3906 gal Workover Rod & Tubing detail updated. Tubing leak: Updated rod and tubing detail
06/25/08	1/18/2010	

**PERFORATION RECORD**

7-9-07	5601-5618'	4 JSPF	68 holes
7-18-07	4885-4897'	4 JSPF	48 holes
7-11-07	4490-4495'	4 JSPF	20 holes
7-13-07	3940-3948'	4 JSPF	32 holes

**NEWFIELD****Federal 11A-22-9-16**

2007' FSL &amp; 1783' FWL

NE/SW Section 22-T9S-R16E

Duchesne Co, Utah

API #43-013-33149; Lease #UTU-74392

## Federal 5-23-9-16

Spud Date: 1/17/08  
Put on Production: 3-5-08  
GL: 5749' KB 5761'

## Wellbore Diagram

SURFACE CASING

CSG SIZE 8-5/8"  
GRADE J-55  
WEIGHT 24#  
LENGTH 7 jts (311 39')  
HOLE SIZE 12-1/4"  
CEMENT DATA 160 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE 5-1/2"  
GRADE J-55  
WEIGHT 15.5#  
LENGTH 146 jts (5781 03')  
HOLE SIZE 7-7/8"  
DEPTH LANDED 5814 84'  
CEMENT DATA 300 sk Prem Lite II mixed & 400 sxs 50/50 POZ  
CEMENT TOP AT 100'

TUBING

SIZE/GRADE/WT 2-7/8" / J-55 / 6.5#  
NO OF JOINTS 154 jts (4892 46')  
TUBING ANCHOR 4904 46'  
NO OF JOINTS 2 jts (63 04')  
SEATING NIPPLE 2-7/8" (1 10')  
SN LANDED AT 4970 31' KB  
NO OF JOINTS 2 jts (62 64')  
TOTAL STRING LENGTH EOT @ 5034 50' w/12' KB

SUCKER RODS

POLISHED ROD 1-1/2" x 26'  
SUCKER RODS 1-6' & 1-2' X 3/4" pony rods, 99- 1/4" guided rods, 73- 1/4" plain rods, 20- 1/4" guided rods, 6- 1 1/2" weight rods  
PUMP SIZE 2-1/2" x 1-1/2" x 16' X 19.5' RHAC pump w/ SM plunger  
STROKE LENGTH 120"  
PUMP SPEED, SPM 4.5

FRAC JOB

2-27-08 4913-4946' **Frac A1 sands as follows:**  
Frac with 160392 #'s of 20/40 sand in 1152 bbls Lightning 17 fluid Treat at an ave pressure of 1802 psi @ 23.2 BPM ISIP 2132 psi

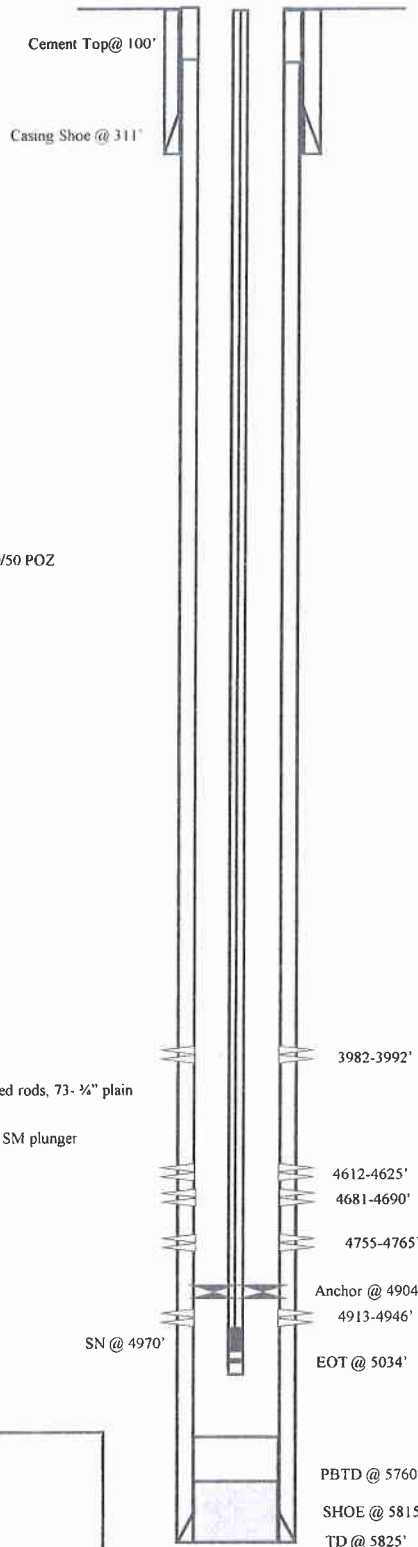
2-27-08 4755-4765' **Frac B2 sands as follows:**  
Frac with 40119 #'s of 20/40 sand in 422 bbls Lightning 17 fluid Treat at an ave pressure of 1740 psi @ 23.2 BPM ISIP 1900 psi

2-27-08 4681-4690' **Frac B.5 sands as follows:**  
Frac with 15432 #'s of 20/40 sand in 275 bbls Lightning 17 fluid Treat at an ave pressure of 2350 psi @ 23.3 BPM ISIP 1943 psi

2-27-08 4612-4625' **Frac C sand as follows:**  
Frac with 60639 #'s of 20/40 sand in 500 bbls of Lightning 17 fluid Treat at an ave pressure of 2137 psi @ 23.2 BPM ISIP 2346 psi

2-27-08 3982-3992' **Frac GB6 sands as follows:**  
Frac with 46568 #'s of 20/40 sand in 418 bbls of Lightning 17 fluid Treat at an ave pressure of 1726 psi @ 23.3 BPM ISIP 1825 psi

1/24/09 Pump Change Updated r & t details

PERFORATION RECORD

3982-3992'	4 JSPF	40 holes
4612-4625'	4 JSPF	52 holes
4681-4690'	4 JSPF	36 holes
4755-4765'	4 JSPF	40 holes
4913-4946'	4 JSPF	132 holes

NEWFIELD



**Federal 5-23-9-16**  
2125' FNL & 595' FWL  
SWNW Section 23-T9S-R16E  
Duchesne Co, Utah  
API #43-013-32960; Lease #UTU-15855



## FEDERAL 11-23-9-16

Spud Date: 1-15-08

Put on Production: 3-7-08

GL: 5726' KB: 5738'

Initial Production:

## Wellbore Diagram

SURFACE CASING

CSG SIZE 8-5/8"

GRADE J-55

WEIGHT 24#

LENGTH 7 jts (309.09')

DEPTH LANDED 320.94' KB

HOLE SIZE 12-1/4"

CEMENT DATA 160 sxs Class "G" cmt, est 3 bbls cmt to surf.

Cement Top @ 26'

Casing Shoe @ 321'

FRAC JOB

03-04-08 4565-4586'

Frac C sands as follows:

90836# 20/40 sand in 686 bbls Lightning 17  
 frac fluid Treated @ avg press of 2017 psi  
 w/avg rate of 23.1 BPM ISIP 2180 psi Calc  
 flush 4563 gal Actual flush 4477 gal

PRODUCTION CASING

CSG SIZE 5-1/2"

GRADE J-55

WEIGHT 15.5#

LENGTH 134 jts (5775.25')

DEPTH LANDED: 5768.37' KB

HOLE SIZE 7-7/8"

CEMENT DATA: 300 sxs Prem Lite II mixed &amp; 400 sxs 50/50 POZ.

CEMENT TOP AT 26'

TUBING

SIZE/GRADE/WT 2-7/8" / J-55 / 6.5#

NO OF JOINTS 144 jts (4523.49')

TUBING ANCHOR 4535.49' KB

NO OF JOINTS 2 jts (62.78')

SEATING NIPPLE 2-7/8" (1.10')

SN LANDED AT 4601.07' KB

NO OF JOINTS 2 jts (62.92')

TOTAL STRING LENGTH: EOT @ 4665.54' KB

SUCKER RODS

POLISHED ROD 1-1/2" x 26' SM

SUCKER RODS 1-2', 1-6' X 3/4" pony rods, 101- 3/4" scraped rods, 56- 3/4"  
 slick rods, 20- 3/4" guided rods, 6- 1 1/2" weight bars

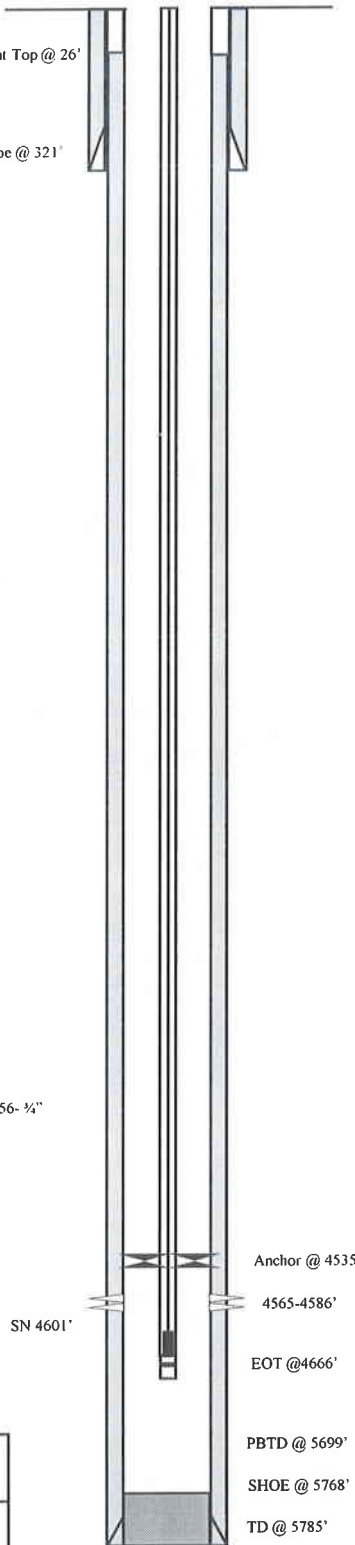
PUMP SIZE 2-1/2" x 1-1/2" x 12 x 16' RHAC w/SM plunger

STROKE LENGTH: 86"

PUMP SPEED, SPM 5 SPM

PERFORATION RECORD

02-29-08 4565-4586' 4 JSPF 84 holes

**FEDERAL 11-23-9-16**

2236' FSL &amp; 1922' FWL

NE/SW Section 23-T9S-R16E

Duchesne Co, Utah

API #43-013-33178, Lease # UTU-15855

TK 4-15-08



## FEDERAL 12-23-9-16

Spud Date: 2/5/08  
Put on Production: 5/22/08  
GL: 5774' KB: 5786'

## Wellbore Diagram

Initial Production: BOPD,  
MCFD, BWPD

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 8 jts (322.64')  
DEPTH LANDED: 333'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: To surface with 160 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 141 jts  
DEPTH LANDED: 5718.33' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 300 sxs Prem Lite II mixed & 400 sxs 50/50 POZ  
CEMENT TOP: 104'

TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
NO OF JOINTS: 155 jts (4873.6')  
TUBING ANCHOR: 4885.6' KB  
NO OF JOINTS: 1 jts (31.45')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 4919.9' KB  
NO OF JOINTS: 2 jts (62.6')  
TOTAL STRING LENGTH: EOT @ 4984' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 26' polished rod  
SUCKER RODS: 1-8' x 3/4" pony rod, 1-6' x 3/4" pony rod, 2-8' x 3/4" pony rod, 1-2' x 3/4" pony rod, 91-3/4" guided rods, 58-3/4" sucker rods, 40-3/4" guided rods, 6-1 1/2" weight bars  
PUMP SIZE: 2-1/2" x 1-1/2" x 12x 16' RHAC  
STROKE LENGTH: 72"  
PUMP SPEED, SPM: 4

FRAC JOB

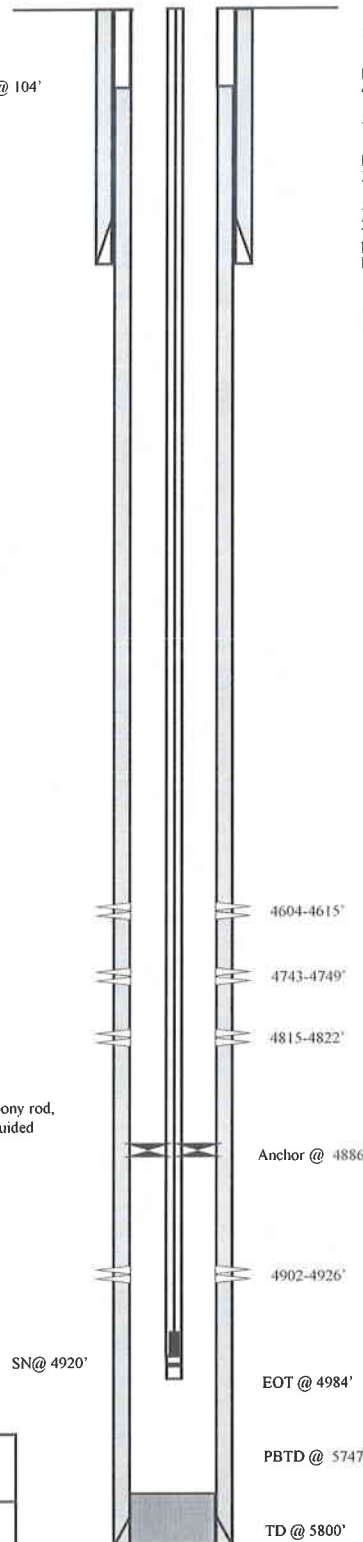
5/17/08 4902-4926' Frac A3 sds as follows:  
119,316# 20/40 sand in 996 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1818 psi w/ ave rate of 23.4 BPM ISIP 2198 psi Actual Flush 4397 gal  
5/17/08 4815-4822' Frac A.5 sds as follows:  
14,762# 20/40 sand in 260 bbls of Lightning 17 fluid. Treated w/ ave pressure of 3169 psi w/ ave rate of 23.3 BPM ISIP 4200 psi Actual Flush 3818 gal  
5/17/08 4743-4749' Frac B2 sds as follows:  
25,365# 20/40 sand in 342 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2818 psi w/ ave rate of 21.6 BPM ISIP 3290 psi Actual Flush 4238 gal


12/12/2009

Tubing leak. Updated rod and tubind detail

PERFORATION RECORD

10/23/07	4604-4615'	4 JSPF	44 holes
10/26/07	4743-4749'	4 JSPF	24 holes
10/23/07	4815-4822'	4 JSPF	28 holes
10/26/07	4902-4926'	4 JSPF	96 holes




<b>FEDERAL 12-23-9-16</b> 2120'FSL & 794' FWL NW/SW Section 23-T9S-R16E Duchesne Co, Utah API #43-013-33179; Lease # UTU-15855

## Federal 13-23-9-16

Spud Date: 10/5/07  
Put on Production: 6/5/08

GL: 5751' KB: 5763'

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH 7 jts (312.36')  
DEPTH LANDED: 322.58' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 1- 160, sxs Class "G" cmt, est 4 bbls cmt to surf

**PRODUCTION CASING**

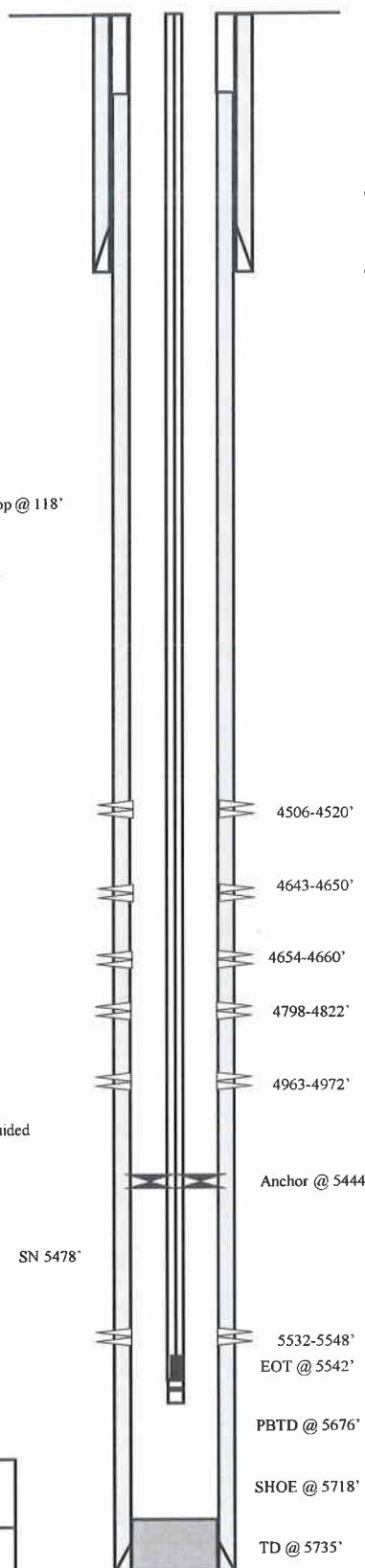
CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 150 jts (5705.08')  
DEPTH LANDED: 5718.33' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 300 sxs Prem Lite II mixed & 400 sxs 50/50 POZ.

**TUBING**

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS 173 jts (5443.5')  
TUBING ANCHOR: 5443.5' KB  
NO. OF JOINTS: 1 jts (31.4')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5477.7' KB  
NO. OF JOINTS: 2 jts (63.0')  
TOTAL STRING LENGTH: EOT @ 5542' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 26' SM polished rods  
SUCKER RODS: 1-3' x 3/4" pony rod, 1-8' x 3/4" pony rod, 100-3/4" guided rods, 52-3/4" guided rods, 60-3/4" guided rods, 6-1 1/2" weight bars  
PUMP SIZE: CDI 2-1/2" x 1-1/2" x 14' x 16' RHAC  
STROKE LENGTH 74"  
PUMP SPEED, SPM. 5

**Wellbore Diagram****FRAC JOB**

10/26/07	5532-5548'	<b>Frac CP5 sands as follows:</b> 89901# 20/40 sand in 710 bbls Lightning 17 frac fluid Treated @ avg press of 1990 psi w/avg rate of 24.8 BPM ISIP 2180 psi
10/26/07	4963-4972'	<b>Frac LODC sands as follows:</b> 56448# 20/40 sand in 493 bbl Lightning 17 frac fluid Treated @ avg press of 2830 psi w/avg rate of 24.8 BPM ISIP 3045 psi
06/03/08	4798-4822'	<b>Frac A1 sands as follows:</b> 159955# 20/40 sand in 1112 bbls Lightning 17 frac fluid Treated @ avg press of 1807 psi w/avg rate of 26.6 BPM ISIP 1971 psi
06/03/08	4643-4600'	<b>Frac B2 sands as follows:</b> 99834# 20/40 sand in 748 bbls Lightning 17 frac fluid Treated @ avg press of 1930 psi w/avg rate of 25.5 BPM ISIP 2135 psi
06/03/08	4874-4888'	<b>Frac C sands as follows:</b> 79546# 20/40 sand in 617 bbls Lightning 17 frac fluid Treated @ avg press of 2034 psi w/avg rate of 26.3 BPM ISIP 1907 psi
3/16/10		Pump change Updated rod and tubing detail
1/8/2011		Pump Change Update rod and tubing details

**PERFORATION RECORD**

5532-5548'	4 JSPF	64 holes
4963-4972'	4 JSPF	36 holes
4798-4822'	4 JSPF	96 holes
4654-4660'	4 JSPF	24 holes
4643-4650'	4 JSPF	28 holes
4506-4520'	4 JSPF	56 holes

**Federal 13-23-9-16**

612' FSL & 466' FWL

SW/SW Section 23-T9S-R16E

Duchesne Co, Utah

API #43-013-33180; Lease # UTU-74392

CB 3/15/2011

Spud Date: 4-25-07  
Put on Production: 6-22-07  
GL: 5894' KB: 5906'

Fed. #14-22-9-16

Attachment E-12

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (309 02')  
DEPTH LANDED: 320 87' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: To surface with 160 sx Class "G" cmt.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 142 jts (6165 44')  
DEPTH LANDED: 5793 94' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 300 sx Prem. Lite II & 400 sx 50/50 Poz.  
CEMENT TOP: 104'

TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 179 jts (5577 57')  
TUBING ANCHOR: 5589.57' KB  
NO. OF JOINTS: 1 jts (31 63')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5624.00' KB  
NO. OF JOINTS: 1 jts (31 57')  
TOTAL STRING LENGTH: EOT @ 5657.12' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 26'  
SUCKER RODS: 3/4 x 4' Pony rod, 100-3/4 x 25' Scraper Rods, 98-3/4" x 25' Slick Rods, 20-3/4 x 25' scraper rods, 6-1 1/2 x 25' wt bars.  
PUMP SIZE: 2 1/2" x 1 1/2" x 12x 15' RHAC  
STROKE LENGTH: 86"  
PUMP SPEED: 5 SPM

FRAC JOB

6/15/07 5620-5626 RU BJ & frac CP5 sds as follows:  
14,228#s of 20/40 sand in 265 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2740 w/ ave rate of 27 bpm w/ 6.5 ppg of sand. ISIP was 2525. Actual flush: 5166 gals.

6/15/07 5410-5416 RU BJ & frac stage #2 as follows:  
19,400# 20/40 sand in 298 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2147 w/ ave rate of 24.8 bpm w/ 6.5 ppg of sand. ISIP was 2134. Actual flush: 4914 gals.

6/15/07 4999-5005 RU BJ & frac stage #3 as follows:  
55,118# 20/40 sand in 482 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2856 w/ ave rate of 24.8 bpm w/ 6.5 ppg of sand. ISIP was 2986. Actual flush: 4536 gals.

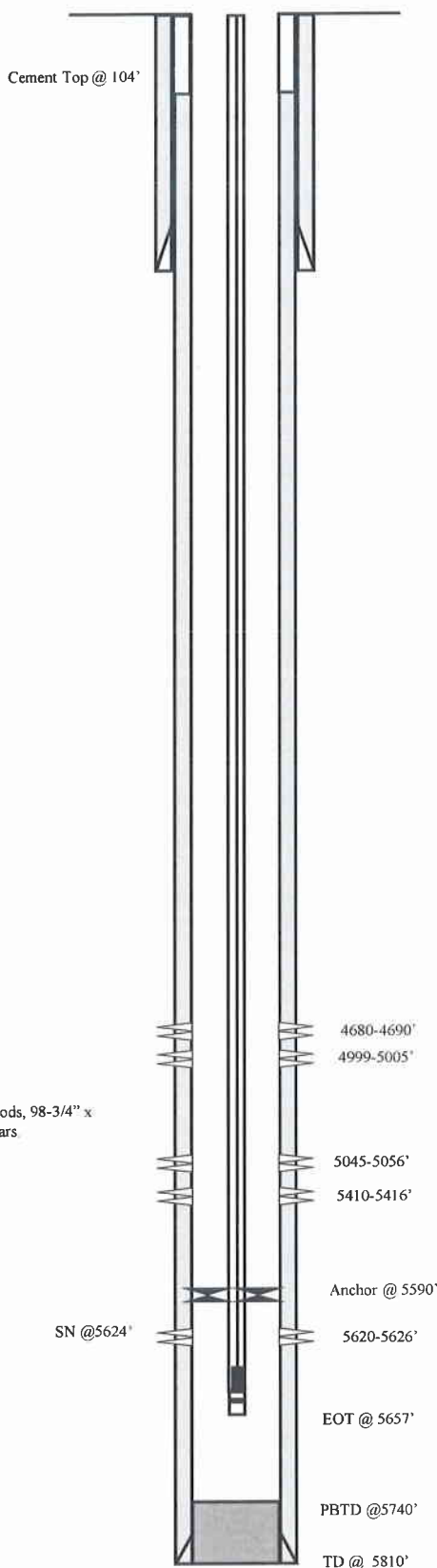
6/15/07 4680-4690 RU BJ & frac stage #4 as follows:  
61,337# 20/40 sand in 472 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1703 w/ ave rate of 24.8 bpm w/ 8 ppg of sand. ISIP was 2056. Actual flush: 4662 gals.

1/3/09

Pump Change. Updated rod & tubing details.

PERFORATION RECORD

06/15/07	5620-5626'	4 JSPF	24 holes
06/15/07	5410-5416'	4 JSPF	112 holes
06/15/07	5045-5056'	4 JSPF	84 holes
06/15/07	4999-5005'	4 JSPF	20 holes
06/15/07	4680-4690'	4 JSPF	40 holes



Federal 14-22-9-16  
477' FSL and 1988' FWL  
SE/SW Sec. 22, T9S, 16E  
Duchesne Co, Utah  
API #43-013-33147 ; Lease #UTU-74392

DF 3/13/09

## Federal 15-22-9-16

Spud Date: 4/17/2007  
Put on Production: 6-18-2007

GL: 5846' KB: 5858'

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH 7 jts (304.31')  
DEPTH LANDED: 316.16' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

**PRODUCTION CASING**

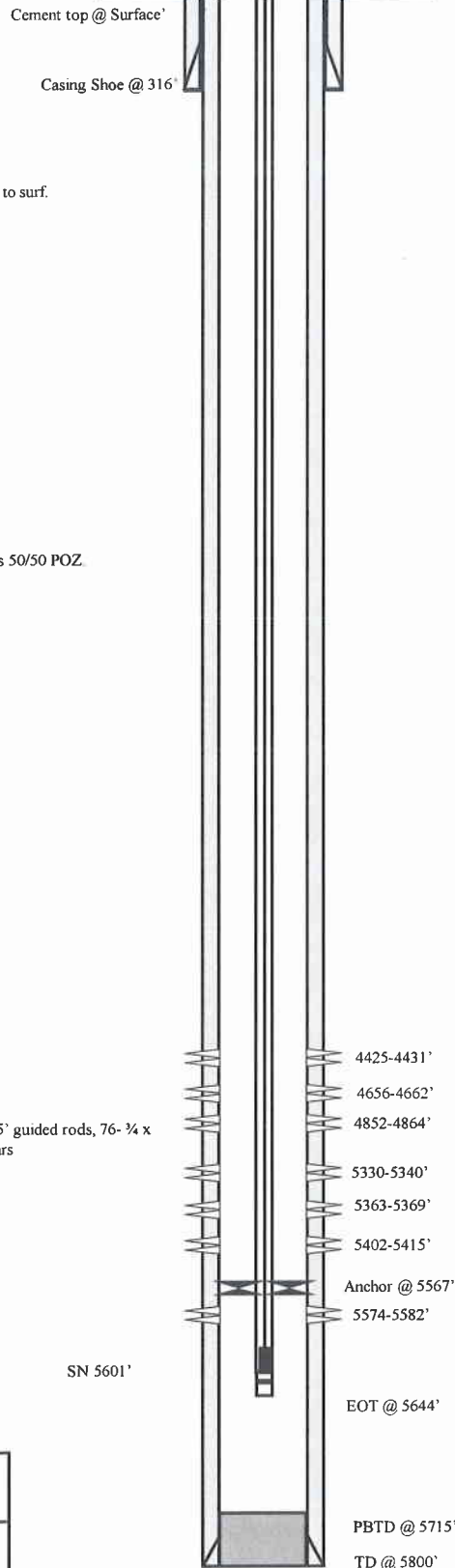
CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH 133 jts (5764.96')  
DEPTH LANDED: 5768.96' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 325 sxs Prem Lite II mixed & 425 sxs 50/50 POZ.  
CEMENT TOP AT: Surface'

**TUBING**

SIZE/GRADE/WT: 2-7/8" / J-55  
NO. OF JOINTS: 181 jts (5532.55')  
TUBING ANCHOR: 5567.15'  
NO. OF JOINTS: 1 jts (32.45')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5600.70'  
NO. OF JOINTS: 1 jt (29.21')  
TOTAL STRING LENGTH: EOT @ 5643.65'

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 26'  
SUCKER RODS: 1-6', 1-2' x 3/4" pony rods, 101- 3/4 x 25' guided rods, 76- 3/4 x 25' slick rods, 40- 3/4 x 25' guided rods, 6-1 1/2 x 25' wt bars  
PUMP SIZE: CDI 2-1/2" x 1-1/2" x 20' x 15 1/2' RHAC  
STROKE LENGTH 100"  
PUMP SPEED, SPM: 4.5 SPM

**Wellbore Diagram**

Initial Production: BOPD,  
MCFD, BWPD

**FRAC JOB**

06-11-07	5574-5582'	<b>Frac CP5 sands as follows:</b> 19614# 20/40 sand in 325 bbls Lightning 17 frac fluid. Treated @ avg press of 2433 psi w/avg rate of 24.8 BPM. ISIP 2430 psi. Calc flush: 5572 gal. Actual flush: 5124 gal.
06-11-07	5330-5415'	<b>Frac CP3, CP2, &amp; CP1 sands as follows:</b> 34912# 20/40 sand in 403 bbls Lightning 17 frac fluid. Treated @ avg press of 2224 psi w/avg rate of 24.8 BPM. ISIP 1976 psi. Calc flush: 4328 gal. Actual flush: 4872 gal.
06-11-07	4852-4864'	<b>Frac A1 sands as follows:</b> 19473# 20/40 sand in 287 bbls Lightning 17 frac fluid. Treated @ avg press of 1777 psi w/avg rate of 24.8 BPM. ISIP 1860 psi. Calc flush: 4850 gal. Actual flush: 4410 gal.
06-11-07	4656-4662'	<b>Frac B1 sands as follows:</b> 14664# 20/40 sand in 237 bbls Lightning 17 frac fluid. Treated @ avg press of 1924 w/ avg rate of 24.8 BPM. ISIP 1720 psi. Calc flush: 4654 gal. Actual flush: 4200 gal.
06-11-07	4425-4431'	<b>Frac D1 sands as follows:</b> 22099# 20/40 sand in 274 bbls Lightning 17 frac fluid. Treated @ avg press of 2182 w/ avg rate of 24.8 BPM. ISIP 1700 psi. Calc flush: 4423 gal. Actual flush: 3948 gal. Pump change: Updated rod & tuning detail. pump change: Updated rod and tubing detail. Tubing Leak: Updated r & t details
7/23/07		
05/29/08		
5/11/09		

**PERFORATION RECORD**

06-07-07	5574-5582'	4 JSPF	32 holes
06-11-07	5402-5415'	4 JSPF	52 holes
06-11-07	5363-5369'	4 JSPF	24 holes
06-11-07	5330-5340'	4 JSPF	40 holes
06-11-07	4852-4864'	4 JSPF	48 holes
06-11-07	4656-4662'	4 JSPF	24 holes
06-11-07	4425-4431'	4 JSPF	24 holes

**NEWFIELD****Federal 15-22-9-16**

355' FSL &amp; 1987' FEL

SW/SE Section 22-T9S-R16E

Duchesne Co, Utah

API # 43-013-33167; Lease # UTU-74392

Federal 2-27-9-16

Attachment E-14

Spud Date: 12/16/2008  
Put on Production: 4/17/2009  
GL: 5863' KB: 5875'

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (314.5')  
DEPTH LANDED: 326' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sx class 'g' cmt

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 147 jts (5796.99')  
DEPTH LANDED: 5732'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 280 sx primlite and 400 sx 50/50 poz  
CEMENT TOP AT: 246'

#### TUBING

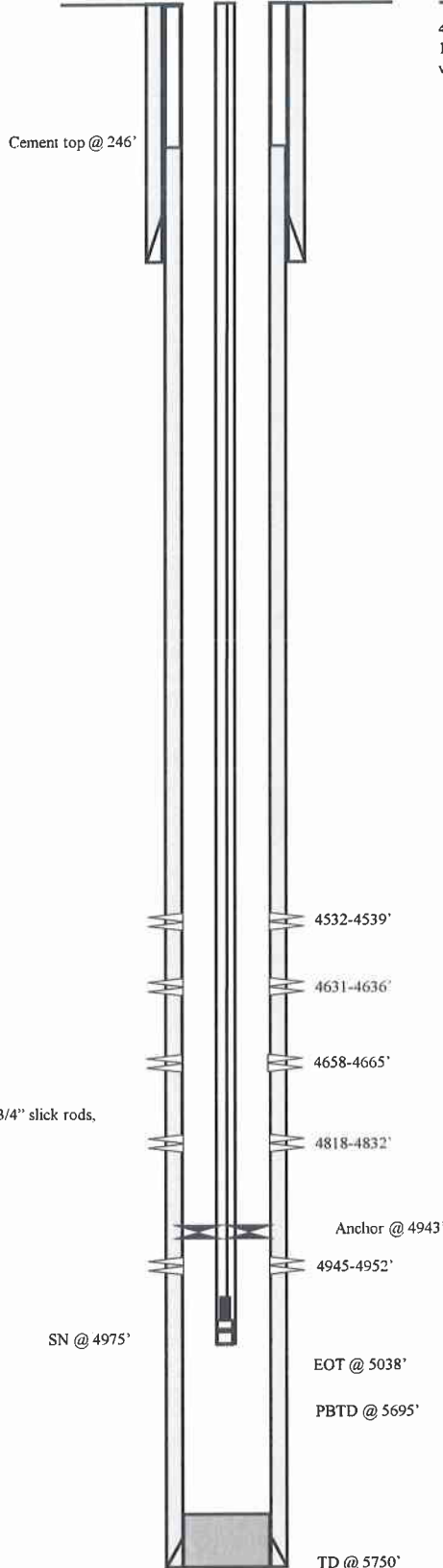
SIZE/GRADE/WT: 2-7/8" / J-55  
NO. OF JOINTS: 156 jts (4928.48')  
TUBING ANCHOR: 4943' KB  
NO. OF JOINTS: 1 jt (30.83')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 4975.16' KB  
NO. OF JOINTS: 2 jts (62.21')  
TOTAL STRING LENGTH: EOT @ 5037.82'

#### SUCKER RODS

POLISHED ROD: 1 1/2" x 26' polished rod  
SUCKER RODS: 6-1 1/2" weight rods, 20-3/4" guided rods, 72-3/4" slick rods, 100-3/4" guided rods, 1-4' x 3/4" pony sub.  
PUMP SIZE: 2.5" x 1.5" x 16' x 20' RHAC pump  
STROKE LENGTH: 86"  
PUMP SPEED, SPM: 5

#### FRAC JOB

4/9/2009 4945-4952' Frac LODC sds as follows:  
15,387#'s of 20/40 sand in 295 bbls of Lightning 17 fluid. Treated  
w/ ave pressure of 2803 psi w/ ave rate of 24.4 BPM. ISIP 2884.



#### PERFORATION RECORD

4/9/09	4945-4952'	4 JSPF	28 holes
4/9/09	4818-4832'	4 JSPF	56 holes
4/9/09	4631-4636'	4 JSPF	20 holes
4/9/09	4658-4665'	4 JSPF	28 holes
4/9/09	4532-4539'	4 JSPF	28 holes

**NEWFIELD**

**Federal 2-27-9-16**

612' FNL & 2093' FEL

NW/NE Section 27-T9S-R16E

Uintah Co, Utah

API # 43-013-33351; Lease # UTU-74392

## Federal 1-27-9-16

Spud Date: 12/22/2009  
 Put on Production: 5/22/2009  
 GL: 5797 ' KB: 5809'

## Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (315.63')  
 DEPTH LANDED: 327.48' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sx class 'g' cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 DEPTH LANDED: 5693.75'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sx primlite and 400 sx 50/50 poz  
 CEMENT TOP AT: 130'

TUBING

SIZE/GRADE/WT: 2-7/8" / J-55  
 NO OF JOINTS: 178 jts (5500.9')  
 TUBING ANCHOR: 5512.9' KB  
 NO OF JOINTS: 1 jt (30.9')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5546.6' KB  
 NO OF JOINTS: 1 jt (30.3')  
 NOTCHED COLLAR: 2-7/8" / J-55 (5577.9')  
 TOTAL STRING LENGTH: EOT @ 5578'

SUCKER RODS

POLISHED ROD: 1 1/2" x 26' polished rod  
 SUCKER RODS: 1-8" x 3/4" pony rod; 99- 3/4" guided rods (4 per); 45- 3/4" sucker rods; 71- 3/4" guided rods (4 per); 6- 1 1/2" weight bars  
 PUMP SIZE: 2- 1/2" x 1- 1/2" x 17' x 20' RHAC  
 STROKE LENGTH: 106"  
 PUMP SPEED, SPM: 5

FRAC JOB

5/22/2009 5538-5548' Frac CP5 sds as follows:  
 14,952# 20/40 sand in 296 bbls of Lightning 17 fluid. Treated w/  
 ave pressure of 2493 psi @ ave rate of 26.8 BPM ISIP 2248 psi

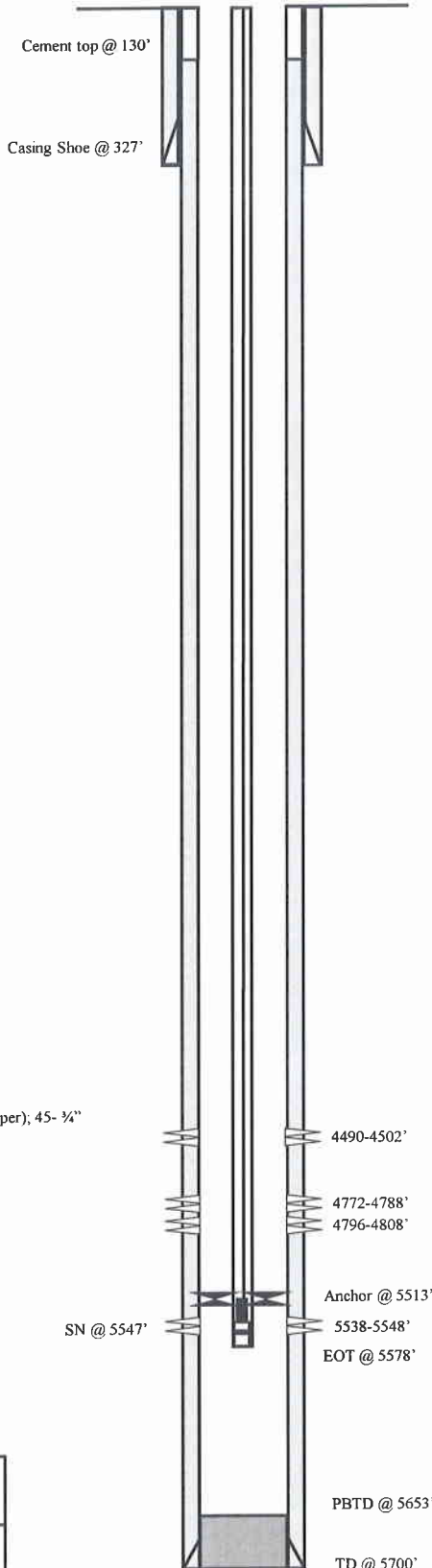
5/22/2009 4772-4808' Frac A1 sds as follows:  
 125,722#s of 20/40 sand in 898 bbls of Lightning 17 fluid. Treated w/  
 ave pressure of 1798 psi @ ave rate of 26.9 BPM ISIP 2065 psi

5/22/2009 4490-4502' Frac C sds as follows:  
 46,703#s of 20/40 sand in 458 bbls of Lightning 17 fluid. Treated w/  
 ave pressure of 1861 psi @ ave rate of 26.9 BPM ISIP 3554 psi

9/25/09 Tubing Leak Updated rod & tubing detail  
 5/6/2010 Stuck plunger on pump Updated rod and tubing detail  
 5/25/2010 Stuck pump Updated rod and tubing detail

PERFORATION RECORD

5/22/09	5538-5548'	4 JSPF	40 holes
5/22/09	4796-4808'	4 JSPF	48 holes
5/22/09	4772-4788'	4 JSPF	64 holes
5/22/09	4490-4502'	4 JSPF	48 holes



NEWFIELD

Federal 1-27-9-16

553' FNL &amp; 503' FEL

NE/NE Section 27-T9S-R16E

Uintah Co, Utah

API # 43-013-33350; Lease # UTU-74392



## Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**Sales Rep: **Darren Betts**Well Name: **SWDIF**Lab Tech: **Gary Peterson**Sample Point: **After production filter**Sample Date: **12/9/2011**Sample ID: **WA-204150**Scaling potential predicted using ScaleSoftPitzer from  
Brine Chemistry Consortium (Rice University)

Sample Specifics		Analysis @ Properties in Sample Specifics			
		Cations	mg/L	Anions	mg/L
Test Date:	12/9/2011	Sodium (Na):	6799.09	Chloride (Cl):	10000.00
System Temperature 1 (°F):	300.00	Potassium (K):	26.10	Sulfate (SO4):	2.00
System Pressure 1 (psig):	3000.00	Magnesium (Mg):	9.40	Bicarbonate (HCO3):	1024.80
System Temperature 2 (°F):	70.00	Calcium (Ca):	26.80	Carbonate (CO3):	0.00
System Pressure 2 (psig):	14.70	Strontium (Sr):	0.00	Acetic Acid (CH3COO)	0.00
Calculated Density (g/ml):	1.01	Barium (Ba):	24.20	Propionic Acid (C2H5COO)	0.00
pH:	8.20	Iron (Fe):	0.47	Butanoic Acid (C3H7COO)	0.00
Calculated TDS (mg/L):	17913.62	Zinc (Zn):	0.00	Isobutyric Acid ((CH3)2CHCOO)	0.00
CO2 in Gas (%):	0.00	Lead (Pb):	0.70	Fluoride (F):	0.00
Dissolved CO2 (mg/L):	0.00	Ammonia NH3:	0.00	Bromine (Br):	0.00
H2S in Gas (%):	0.00	Manganese (Mn):	0.06	Silica (SiO2):	0.00
H2S in Water (mg/L):	10.00				

## Notes:

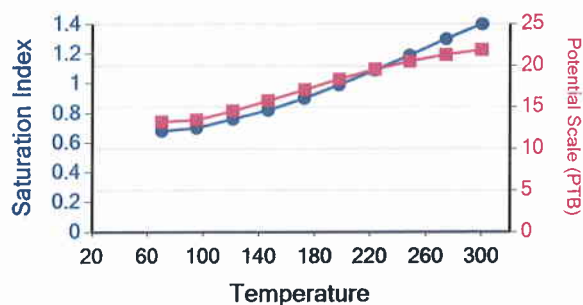
(PTB = Pounds per Thousand Barrels)

		Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
70	14	0.68	13.26	0.21	0.60	2.60	0.26	0.67	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	346	0.70	13.48	0.00	0.00	2.38	0.26	0.78	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
121	678	0.76	14.55	0.00	0.00	2.24	0.26	0.91	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	1009	0.82	15.79	0.00	0.00	2.16	0.26	1.02	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	1341	0.90	17.10	0.00	0.00	2.12	0.26	1.13	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
197	1673	0.99	18.39	0.00	0.00	2.12	0.26	1.22	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
223	2004	1.09	19.55	0.00	0.00	2.15	0.26	1.31	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
248	2336	1.19	20.54	0.00	0.00	2.21	0.26	1.37	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
274	2668	1.30	21.32	0.00	0.00	2.28	0.26	1.42	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300	3000	1.40	21.90	0.00	0.00	2.36	0.26	1.46	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

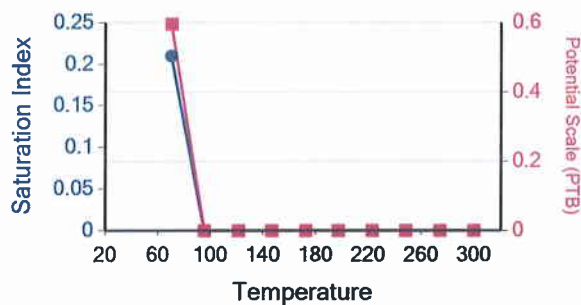
		Hemihydrate CaSO4~0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
70	14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.45	0.28	0.00	0.00	0.00	0.00	0.00	0.00
95	346	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.59	0.28	0.00	0.00	0.00	0.00	0.00	0.00
121	678	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.89	0.28	0.00	0.00	0.00	0.00	0.00	0.00
146	1009	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.28	0.28	0.00	0.00	0.00	0.00	0.00	0.00
172	1341	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.76	0.28	0.00	0.00	0.00	0.00	0.00	0.00
197	1673	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.32	0.28	0.00	0.00	0.00	0.00	0.00	0.00
223	2004	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.93	0.28	0.00	0.00	0.00	0.00	0.00	0.00
248	2336	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.60	0.28	0.00	0.00	0.00	0.00	0.00	0.00
274	2668	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.30	0.28	0.00	0.00	0.00	0.00	0.00	0.00
300	3000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.03	0.28	0.00	0.00	0.00	0.00	0.00	0.00

These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Lead Sulfide

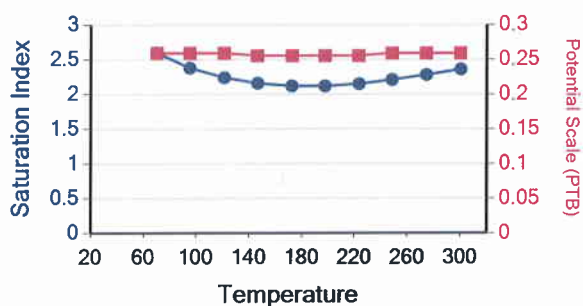
Calcium Carbonate



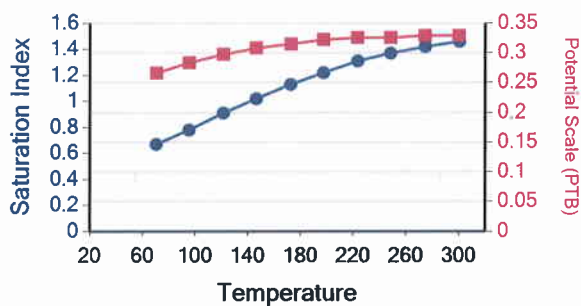
Barium Sulfate



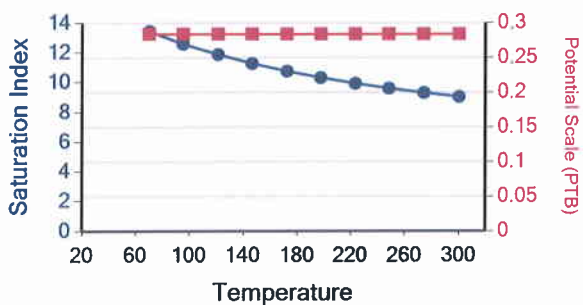
Iron Sulfide



Iron Carbonate



Lead Sulfide





# Attachment "G"

## Federal #16-22-9-16 Proposed Maximum Injection Pressure

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5035	5071	5053	2081	0.85	2048
4964	4969	4967	1909	0.82	1877 ←
4860	4867	4864	1925	0.83	1893
4748	4760	4754	2235	0.90	2204
				Minimum	<u>1877</u>

### Calculation of Maximum Surface Injection Pressure

$$P_{max} = (\text{Frac Grad} - (0.433 \times 1.015)) \times \text{Depth of Top Perf}$$
 where pressure gradient for the fresh water is .433 psi/ft and  
 specific gravity of the injected water is 1.015.

$$\text{Frac Gradient} = (\text{ISIP} + (0.433 \times \text{Top Perf.})) / \text{Top Perf.}$$

**Please note:** These are existing perforations; additional perforations may be added during the actual conversion procedure.

**ATTACHMENT G-1**

1 of 2

**Daily Activity Report**

Format For Sundry

**FEDERAL 16-22-9-16****8/1/2007 To 12/30/2007****10/3/2007 Day: 1****Completion**

Rigless on 10/2/2007 - Instal 5K frac head. NU 6" 5K Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5993' & cement top @ 39'. Perforate stage #1, A1 sds @ 5035-71' w/ 3-1/8" Slick Guns (19 gram, .49"EH, 120°) w/ 4 spf for total of 144 shots. 143 bbls EWTR. SIFN.

**10/6/2007 Day: 2****Completion**

Rigless on 10/5/2007 - Stage #1 A1 sds. RU BJ Services. 10 psi on well. Frac A1 sds w/ 140,366#'s of 20/40 sand in 1008 bbls of Lightning 17 fluid. Broke @ 2849 psi. Treated w/ ave pressure of 1851 psi w/ ave rate of 24.8 BPM. ISIP 2081 psi. Leave pressure on well. 1151 BWTR. Stage #2 A.5 sds. RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 5' perf gun. Set plug @ 5010'. Perforate A.5 sds @ 4964-69' w/ 3-1/8" Slick Guns (.37"EH, 23 gram, 90°) w/ 4 spf for total of 20 shots. RU BJ Services. 1566 psi on well. Frac A.5 sds w/ 15,004#'s of 20/40 sand in 274 bbls of Lightning 17 fluid. Broke @ 3458 psi. Treated w/ ave pressure of 2605 psi w/ ave rate of 24.8 BPM. ISIP 1909 psi. Leave pressure on well. 1425 BWTR. Stage #3 B2 sds. RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 7' perf gun. Set plug @ 4920'. Perforate B2 sds @ 4860-67' w/ 3-1/8" Slick Guns (.37"EH, 23 gram, 90°) w/ 4 spf for total of 28 shots. RU BJ Services. 1528 psi on well. Frac B2 sds w/ 13,965#'s of 20/40 sand in 269 bbls of Lightning 17 fluid. Broke @ 4220 psi. Treated w/ ave pressure of 2130 psi w/ ave rate of 24.8 BPM. ISIP 1925 psi. Leave pressure on well. 1694 BWTR. Stage #4 C sds. RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 12' perf gun. Set plug @ 4820'. Perforate C sds @ 4748-60' w/ 3-1/8" Slick Guns (.37"EH, 23 gram, 90°) w/ 4 spf for total of 48 shots. RU BJ Services. 1532 psi on well. Frac C sds w/ 41,811#'s of 20/40 sand in 406 bbls of Lightning 17 fluid. Broke @ 4180 psi. Treated w/ ave pressure of 2620 psi w/ ave rate of 24.8 BPM. ISIP 2235 psi. Open well to pit for immediate flowback @ 1 bpm. Well flowed for 4 hrs. & died. Recovered 270 bbls. SWIFN.

**10/9/2007 Day: 3****Completion**

Western #2 on 10/8/2007 - MIRU Western #2. 75 psi on csg. Bleed off pressure. ND Cameron BOP & 5M WH. NU 3M WH & Shaffer BOP. Talley, PU & RIH w/ 4 3/4" (Used) bit, Bit sub & 153 jts of 2 7/8" J-55 tbg. Tagged sand @ 4707'. RU Nabors power swivel. Circulate sand & drill out plugs. Sand @ 4707', Plug @ 4820' (Drilled out in 22 mins). Tagged sand @ 4882', Plug @ 4920' (Drilled out in 27 mins). Circulate well clean. LD 1 jt tbg. EOT @ 4913'. SIWFN w/ 1820 BWTR.

**10/10/2007 Day: 4****Completion**

Western #2 on 10/9/2007 - 0 psi on well. Con't circulate sand & drill out plugs. Tagged plug @ 5010' (Drilled out in 26 mins). Tagged sand @ 5726'. C/O to PBTD @ 6034'. RD power swivel. LD 2 jts of tbg. EOT @ 5993. RU swab equipment. Made 14 runs. IFL @ sfc. FFL @ 1900', Trace oil, No sand. Rec 136 BTF. RD swab equipment. PU & RIH w/ 2 jts of tbg. Tagged sand @ 6022'. C/O to PBTD @ 6034'. LD 30 jts of

tbg. TOH w/ tbg. LD bit & bit sub. TIH w/ production tbg as follows: NC, 2-jts, 2-jts, TA & 40 jts of tbg. EOT @ 1246'. SIWFN w/ 1744 BWTR.

10/11/2007 Day: 5

Completion

Western #2 on 10/10/2007 - 0 psi on well. Con't TIH w/ production tbg. Production tbg detail as follows: NC, 2- jts, SN, 2- jts, 5 1/2" TA, 162 jts of 2 7/8" J-55 tbg. ND BOP. Set TA w/ 16,000# of tension @ 5010', SN @ 5075', EOT @ 5137'. NU WH. PU & TIH W/ pump and "A" grade rod string as follows: new CDI 2 1/2" X 1 3/4" X 21' RHAC pump, 4-1 1/2" weight rods, 197-7/8" scraped rods(8 per), 1- 4', 1- 2' X 7/8" pony rods and 1 1/2" X 26' polished rod. Seat pump & RU pumping unit. W/ tbg full, pressure test tbg & pump to 200 psi. Stroke pump up W/ unit to 800 psi. Good pump action. RDMOSU. Est 1744 BWTR. Place well on production @ 3:00 PM 10/10/2007 W/ 123" SL @ 4 SPM. FINAL REPORT!!

Pertinent Files: Go to File List

# FEDERAL 16-22-9-16

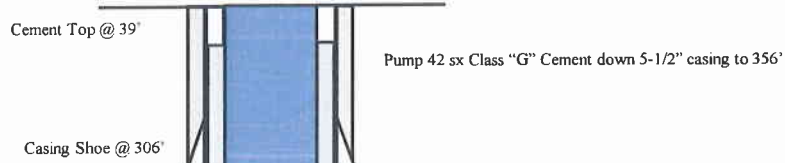
Spud Date: 08/27/07  
Put on Production: 10/10/07  
GL: 5800' KB: 5812'

Initial Production: BOPD,  
MCFD, BWPD

## Proposed P & A Wellbore Diagram

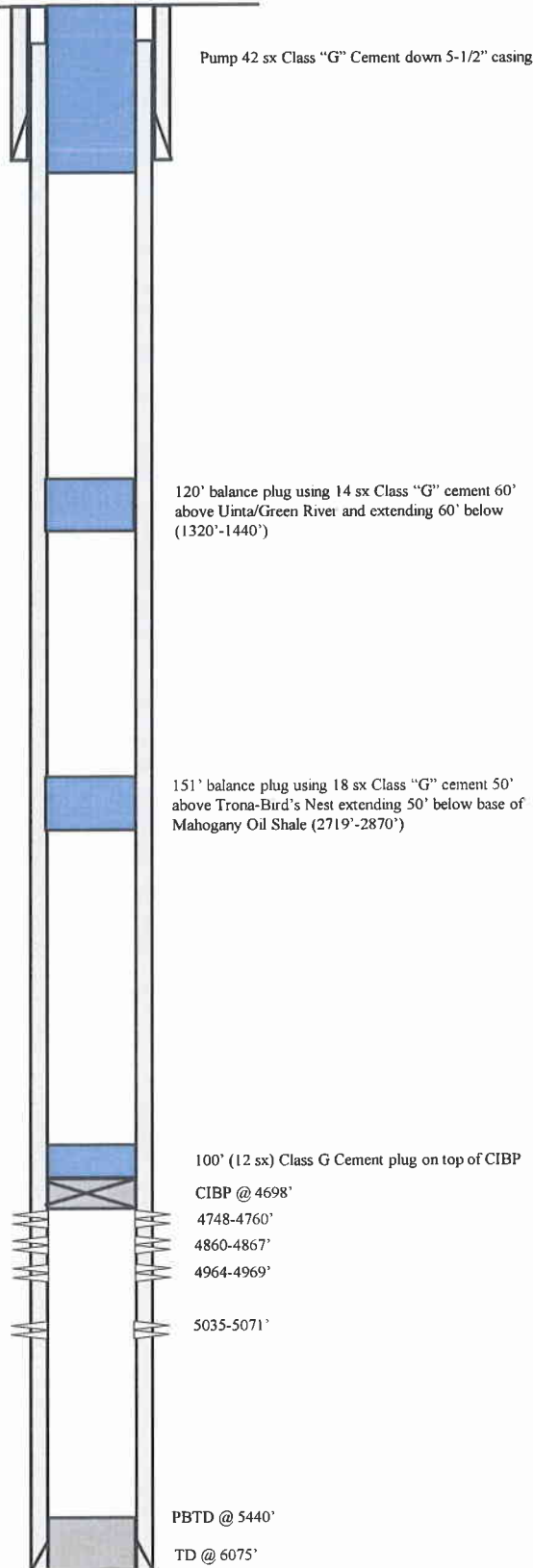
### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH 7 jts (293.76')  
DEPTH LANDED: 305.61' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 6 bbls cmt to surf.



### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH ? jts (')  
DEPTH LANDED: 6051' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 350 sxs Prem. Lite II mixed & 525 sxs 50/50 POZ.  
CEMENT TOP: 39'



**NEWFIELD**

**FEDERAL 16-22-9-16**

2068' FSL & 649' FEL

NE/SE Section 22-T9S-R16E

Duchesne Co, Utah

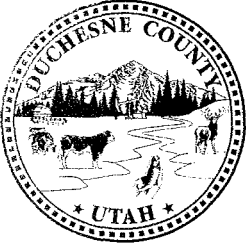
API #43-013-33394; Lease # UTU-74392

## **ATTACHMENT H**

### **WORK PROCEDURE FOR PLUGGING AND ABANDONMENT**

1. Set CIBP @ 4698'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 151' balance plug using 18 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4. Plug #3 120' balance plug using 14sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5. Plug #4 Pump 42 sx Class "G" cement down 5 ½" casing to 356'

The approximate cost to plug and abandon this well is \$42,000.



*Duchesne County Planning, Zoning  
& Community Development  
734 North Center Street  
P.O. Box 317  
Duchesne, Utah 84021  
(435) 738-1152  
Fax (435) 738-5522*

June 26, 2012

Mr. Brad Hill, Permitting Manager  
Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

RECEIVED

JUN 27 2012

DIV OF OIL, GAS & MINING

RE: Newfield Production Company Injection Wells (Causes No UIC-395 & 396)

Dear Mr. Hill:

We are in receipt of your notice regarding Newfield Production Company's request to convert 30 wells, located in Sections 5, 8, 9, 11, 12, 13, 16, 17, 18, 19, 21, 22, 23, 24, 27, 29 and 30, Township 9 South, Range 16 East, Duchesne County, to Class II injection wells.

Duchesne County is supportive of this request and recommends approval under conditions that your agency deems appropriate.

Thank you for the opportunity to comment.

Sincerely,

Mike Hyde, AICP  
Community Development Administrator

pc: Newfield Production Company, Rt. 3, Box 3630, Myton, UT 84052

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-395

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 5, 8, 9, 11, 13, 17, 19, 22, 23, AND 30, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17<sup>th</sup> Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:

West Point U 12-5-9-16 well located in NW/4 SW/4, Section 5, Township 9 South, Range 16 East  
API 43-013-31933

Federal 7-8-9-16 well located in SW/4 NE/4, Section 8, Township 9 South, Range 16 East  
API 43-013-33056

Federal 9-8-9-16 well located in NE/4 SE/4, Section 8, Township 9 South, Range 16 East  
API 43-013-33058

West Point 12-8-9-16 well located in NW/4 SW/4, Section 8, Township 9 South, Range 16 East  
API 43-013-32286

Federal 15-8-9-16 well located in SW/4 SE/4, Section 8, Township 9 South, Range 16 East  
API 43-013-33060

Federal 5-9-9-16 well located in SW/4 NW/4, Section 9, Township 9 South, Range 16 East  
API 43-013-32916

Federal 11A-9-9-16 well located in NE/4 SW/4, Section 9, Township 9 South, Range 16 East  
API 43-013-33050

Goates Fed 1 well located in SE/4 SW/4, Section 11, Township 9 South, Range 16 East  
API 43-013-15789

Federal 13-13-9-16 well located in SW/4 SW/4, Section 13, Township 9 South, Range 16 East  
API 43-013-32650

Federal 1-17-9-16 well located in NE/4 NE/4, Section 17, Township 9 South, Range 16 East  
API 43-013-33028

Federal 15-17-9-16 well located in SW/4 SE/4, Section 17, Township 9 South, Range 16 East  
API 43-013-33037

Federal 3-19-9-16 well located in NE/4 NW/4, Section 19, Township 9 South, Range 16 East  
API 43-013-33064

Federal 5-22-9-16 well located in SW/4 NW/4, Section 22, Township 9 South, Range 16 East  
API 43-013-33025

Federal 16-22-9-16 well located in NE/4 SE/4, Section 22, Township 9 South, Range 16 East  
API 43-013-33394

Federal 5-23-9-16 well located in SW/4 NW/4, Section 23, Township 9 South, Range 16 East  
API 43-013-32960

Federal 9-23 well located in NE/4 SE/4, Section 23, Township 9 South, Range 16 East  
API 43-013-30654

Federal 1-30-9-16 well located in NE/4 NE/4, Section 30, Township 9 South, Range 16 East  
API 43-013-33452

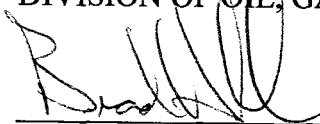
The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 20<sup>th</sup> day of June, 2012.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING

A handwritten signature in black ink, appearing to read "Brad Hill", is written over a horizontal line.

Brad Hill  
Permitting Manager



**Newfield Production Company**

**WEST POINT U 12-5-9-16, FEDERAL 7-8-9-16, FEDERAL 9-8-9-16, WEST POINT 12-8-9-16,  
FEDERAL 15-8-9-16, FEDERAL 5-9-9-16, FEDERAL 11A-9-9-16, GOATES FED 1,  
FEDERAL 13-13-9-16, FEDERAL 1-17-9-16, FEDERAL 15-17-9-16, FEDERAL 3-19-9-16,  
FEDERAL 5-22-9-16, FEDERAL 16-22-9-16, FEDERAL 5-23-9-16,  
FEDERAL 9-23, FEDERAL 1-30-9-16**

**Cause No. UIC-395**

Publication Notices were sent to the following:

Newfield Production Company  
1001 17th Street, Suite 2000  
Denver, CO 80202

SITLA  
675 E 500 S Ste 500  
Salt Lake City, UT 84102-2818

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066  
via e-mail [ubs@ubstandard.com](mailto:ubs@ubstandard.com)

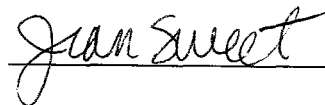
Duchesne County Planning  
P O Box 317  
Duchesne, UT 84021-0317

Salt Lake Tribune  
P O Box 45838  
Salt Lake City, UT 84145  
via e-mail [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

Bruce Suchomel  
US EPA Region 8  
MS 8P-W-GW  
1595 Wynkoop Street  
Denver, CO 80202-1129

Vernal Office  
Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078

Newfield Production Company  
Rt 3 Box 3630  
Myton, UT 84052

  
\_\_\_\_\_



GARY R. HERBERT  
*Governor*

GREGORY S. BELL  
*Lieutenant Governor*

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

### Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

June 21, 2012

Via e-mail: [legals@ubstandard.com](mailto:legals@ubstandard.com)

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-395

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet  
Executive Secretary

Enclosure



**Jean Sweet - Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-395**

**From:** Cindy Kleinfelter <classifieds@ubstandard.com>  
**To:** Jean Sweet <jsweet@utah.gov>  
**Date:** 6/22/2012 8:05 AM  
**Subject:** Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-395

On 6/21/2012 5:07 PM, Jean Sweet wrote:

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet, Executive Secretary  
Utah Div. of Oil, Gas & Mining  
1594 West Temple, Suite 1210  
Salt Lake City, UT  
801-538-5329  
[jsweet@utah.gov](mailto:jsweet@utah.gov)

Received. Thank you. It will run June 26.  
Cindy



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

June 21, 2012

VIA E-MAIL [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

Salt Lake Tribune  
P. O. Box 45838  
Salt Lake City, UT 84145

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-395

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing for **account #9001402352** to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet  
Executive Secretary

Enclosure



**From:** "Fultz, Mark" <naclegal@mediaoneutah.com>  
**To:** <jsweet@utah.gov>  
**Date:** 6/22/2012 9:13 AM  
**Subject:** Legal Notice - UIC 395  
**Attachments:** OrderConf.pdf

AD# 802910  
Run Trib/DNews - 6/26  
Cost \$448.52  
Thank you  
Mark

## Order Confirmation for Ad #0000802910-01

<b>Client</b>	DIV OF OIL-GAS & MINING	<b>Payor Customer</b>	DIV OF OIL-GAS & MINING
<b>Client Phone</b>	801-538-5340	<b>Payor Phone</b>	801-538-5340
<b>Account#</b>	9001402352	<b>Payor Account</b>	9001402352
<b>Address</b>	1594 W NORTH TEMP #1210,P.O. BOX 145801 SALT LAKE CITY, UT 84114 USA	<b>Payor Address</b>	1594 W NORTH TEMP #1210,P.O. BO SALT LAKE CITY, UT 84114
<b>Fax</b>	801-359-3940	<b>Ordered By</b>	<b>Acct. Exec</b>
<b>EMail</b>	earlenerussell@utah.gov	Jean	mfultz

<b>Total Amount</b>	<b>\$448.52</b>			
<b>Payment Amt</b>	<b>\$0.00</b>			
<b>Amount Due</b>	<b>\$448.52</b>	<u>Tear Sheets</u>	<u>Proofs</u>	<u>Affidavits</u>
		0	0	1

**Payment Method** PO Number UIC 395

**Confirmation Notes:**

**Text:** Jean

<b>Ad Type</b>	<b>Ad Size</b>	<b>Color</b>
Legal Liner	3.0 X 88 Li	<NONE>

<b><u>Product</u></b>	<b><u>Placement</u></b>	<b><u>Position</u></b>
Salt Lake Tribune::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
<b>Scheduled Date(s):</b>	06/26/2012	
<b><u>Product</u></b>	<b><u>Placement</u></b>	<b><u>Position</u></b>
Deseret News::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
<b>Scheduled Date(s):</b>	06/26/2012	
<b><u>Product</u></b>	<b><u>Placement</u></b>	<b><u>Position</u></b>
sltrib.com::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
<b>Scheduled Date(s):</b>	06/26/2012	
<b><u>Product</u></b>	<b><u>Placement</u></b>	<b><u>Position</u></b>
utahlegals.com::	utahlegals.com	utahlegals.com
<b>Scheduled Date(s):</b>	06/26/2012	

## Order Confirmation for Ad #0000802910-01

Ad Content Proof Actual Size

# Order Confirmation for Ad #0000802910-01

Ad Content Proof 135%

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-395

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 5, 8, 9, 11, 13, 17, 19, 22, 23, AND 30, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monticent Butte Units:

West Point U 12-5-9-16 well located in NW/4 SW/4, Section 5, Township 9 South, Range 16 East  
API 43-013-31933  
Federal 7-8-9-16 well located in SW/4 NE/4, Section 8, Township 9 South, Range 16 East  
API 43-013-33056  
Federal 9-8-9-16 well located in NE/4 SE/4, Section 8, Township 9 South, Range 16 East  
API 43-013-33058  
West Point 12-8-9-16 well located in NW/4 SW/4, Section 8, Township 9 South, Range 16 East  
API 43-013-32286  
Federal 15-8-9-16 well located in SW/4 SE/4, Section 8, Township 9 South, Range 16 East  
API 43-013-33060  
Federal 5-9-9-16 well located in SW/4 NW/4, Section 9, Township 9 South, Range 16 East  
API 43-013-32916  
Federal 11A-9-9-16 well located in NE/4 SW/4, Section 9, Township 9 South, Range 16 East  
API 43-013-33050  
Coates Fed 1 well located in SE/4 SW/4, Section 11, Township 9 South, Range 16 East  
API 43-013-15789  
Federal 13-13-9-16 well located in SW/4 SW/4, Section 13, Township 9 South, Range 16 East  
API 43-013-32650  
Federal 1-17-9-16 well located in NE/4 NE/4, Section 17, Township 9 South, Range 16 East  
API 43-013-33028  
Federal 15-17-9-16 well located in SW/4 SE/4, Section 17, Township 9 South, Range 16 East  
API 43-013-33037  
Federal 3-19-9-16 well located in NE/4 NW/4, Section 19, Township 9 South, Range 16 East  
API 43-013-33064  
Federal 5-22-9-16 well located in SW/4 NW/4, Section 22, Township 9 South, Range 16 East  
API 43-013-33025  
Federal 16-22-9-16 well located in NE/4 SE/4, Section 22, Township 9 South, Range 16 East  
API 43-013-33394  
Federal 5-23-9-16 well located in SW/4 NW/4, Section 23, Township 9 South, Range 16 East  
API 43-013-32960  
Federal 9-23 well located in NE/4 SE/4, Section 23, Township 9 South, Range 16 East  
API 43-013-30654  
Federal 1-30-9-16 well located in NE/4 NE/4, Section 30, Township 9 South, Range 16 East  
API 43-013-33452

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Greer River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 20th day of June, 2012.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING

/s/  
Brad Hill  
Permitting Manager  
802910

UPAXLP

06/22/2012 9:06:58AM

Send Payments to:  
 Uintah Basin Standard  
 268 S 200 E  
 Roosevelt, Utah 84066

Phone: 435-722-5131  
 Fax: 435-722-4140



Invoice Number	Invoice Date
32047	6/26/2012
Invoice Amount	Due Date
\$176.25	7/26/2012

DIVISION OF OIL GAS & MINING  
 Rose Nolton  
 1594 W. N.TEMPLE STE 121  
 PO BOX 145801  
 SALT LAKE CITY, UT 84114-5801

1 1/2% fee will be charged to all  
 past due balances.

**Amount Enclosed**

Please detach top portion and return with your payment

**INVOICE**

Uintah Basin Standard

DIVISION OF OIL GAS & MINING

Invoice No. 32047

6/26/2012

Date	Order	Description	Ad Size	SubTotal	Sales Tax	Amount
6/26/2012	16065 UBS	UBS Legal Notice: Not of Agcy Actn: Cause No. UIC-395 Pub. June 26, 2012				\$176.25
					Sub Total:	\$176.25
					Total Transactions: 1	Total: \$176.25

**SUMMARY**      Advertiser No.    2080                      Invoice No.                      32047

1 1/2% fee will be charged to all past due balances.

Thank You for your business!

Thank you for advertising with us, we appreciate your business!



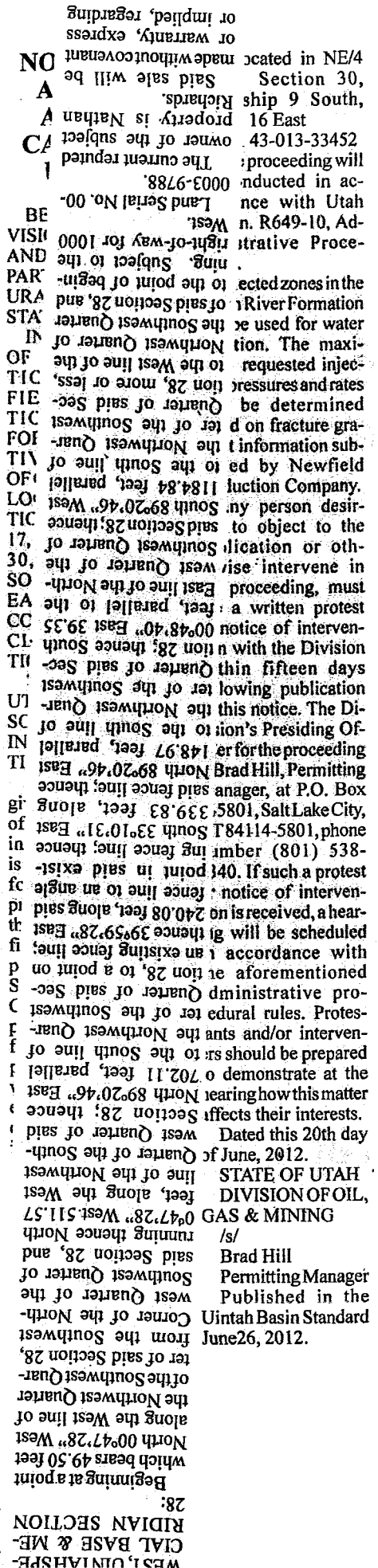
UTC 395

I, Kevin Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 26 day of June, 2012, and that the last publication of such notice was in the issue of such newspaper dated the 26 day of June, 2012, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.

Subscribed and sworn to before me on this

by Kevin Ashby.

**Notary Public**





GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

July 25, 2012

Newfield Production Company  
1001 Seventeenth Street, Suite 2000  
Denver, CO 80202

Subject: Greater Monument Butte Unit Well: Federal 16-22-9-16, Section 22, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-33394

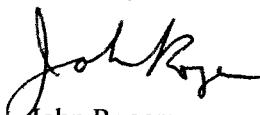
Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
3. A casing\ tubing pressure test shall be conducted prior to commencing injection.
4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.
5. The top of the injection interval shall be limited to a depth no higher than 3,872 feet in the Federal 16-22-9-16 well.

A final approval to commence injection will be issued upon satisfactory completion of the listed stipulations. If you have any questions regarding this approval or the necessary requirements, please contact Mark Reinbold at 801-538-5333 or Brad Hill at 801-538-5315.

Sincerely,

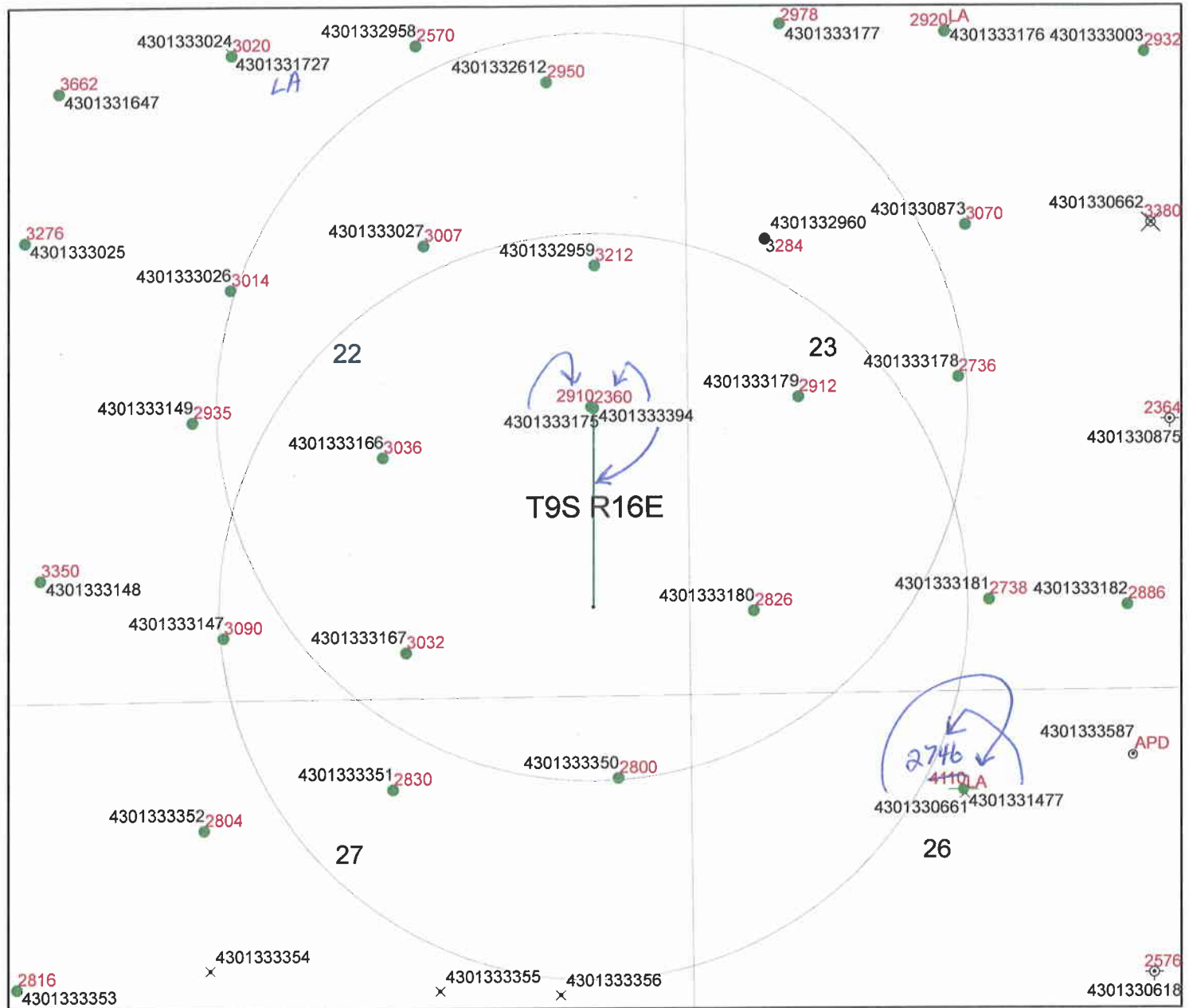
  
John Rogers  
Associate Director

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Duchesne County  
Newfield Production Company, Myton  
Well File

N:\O&G Reviewed Docs\ChronFile\UIC





Cement Bond Tops  
 FEDERAL 16-22-9-16  
 API #43-013-33394  
 UIC 395.14

## Legend

- |   |     |
|---|-----|
| Buffer_of_SGID93_ENERGY_DNROilGasWells_HDBottom | PA  |
| Buffer_of_SGID93_ENERGY_DNROilGasWells_160      | PGW |
| SGID93_ENERGY_DNROilGasWells                    | POW |
| <b>SGID93.ENERGY.DNROilGasWells</b>             | RET |
| <b>GIS_STAT_TYPE</b>                            | SGW |
| APD   | SOW |
| DRL   | TA  |
| GIW   | TW  |
| GSW   | WDW |
| LA  | WIW |
| LOC   | WSW |
| OPS   |     |

- SGID93\_BOUNDARIES\_Countries
  - SGID93\_ENERGY\_DNROilGasWells\_HDBottom
  - SGID93\_ENERGY\_DNROilGasWells\_HDPath
  - Wells-CbltopsMaster07\_06\_12

0 0.05 0.1 0.2 0.3 0.4 Miles

1870calc = approx cement top calculated from well completion report



**DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM  
PERMIT  
STATEMENT OF BASIS**

**Applicant:** Newfield Production Company      **Well:** Federal 16-22-9-16

**Location:** 22/9S/16E      **API:** 43-013-33394

**Ownership Issues:** The proposed well is located on BLM land and is within the Greater Monument Butte Unit. The well is directionally drilled, with a bottom hole location approximately 1,400 feet south of the surface location. The area of review (AOR) consists of the combined areas of two largely overlapping circles, each of a half-mile radius. One circle centers on the surface location, and the other centers on the bottom hole location. Lands in the AOR are administered by the BLM. The Federal Government is the mineral owner within the AOR. Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and lease holders in the AOR. Newfield is the operator of the Greater Monument Butte Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

**Well Integrity:** Inasmuch as the well is directionally drilled, the measured depths are not equal to the true vertical depths. The measured total depth of the well is 6,075 feet versus a true vertical depth of 5,820 feet. The depths expressed here are in terms of measured depth. The proposed well has surface casing set at 306 feet and has a cement top at the surface. A 5½ inch production casing is set at 6,051 feet. A cement bond log demonstrates adequate bond in this well up to 2,360 feet. A 2 7/8 inch tubing with a packer will be set at 4,698 feet. Higher perforations will be opened at a later date. A mechanical integrity test will be run on the well prior to injection. On the basis of surface locations, within the combined AOR, there are 13 producing wells and 1 shut-in well (the proposed injection well). All of the wells have evidence of adequate casing and cement.

**Ground Water Protection:** As interpreted from the Utah Geological Survey's DOE Project-Uinta Basin Water Draft Map (Paul B. Anderson, December 2, 2011), the base of moderately saline water (3000-10,000 mg/l TDS) is at a depth of approximately 2600 feet. Injection shall be limited to the interval between 3,872 feet and 5,440 feet (measured depth) in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 16-22-9-16 well is 0.82 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,877 psig. The requested maximum pressure is 1,877 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

**Federal 16-22-9-16**

**page 2**

**Oil/Gas& Other Mineral Resources Protection:** The Board of Oil, Gas & Mining approved the Greater Monument Butte Unit on December 1, 2009. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

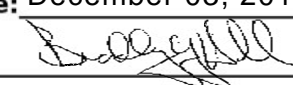
**Bonding:** Bonded with the BLM

**Actions Taken and Further Approvals Needed:** A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Mark Reinbold

Date: 7/17/2012

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-74392
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630, Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> FEDERAL 16-22-9-16
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2068 FSL 0649 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 22 Township: 09.0S Range: 16.0E Meridian: S		<b>9. API NUMBER:</b> 43013333940000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/27/2012	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TUBING	
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <span style="border: 1px solid black; display: inline-block; width: 100px; height: 15px;"></span>	
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b>		
The subject well has been converted from a producing oil well to an injection well on 11/21/2012. On 11/26/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/27/2012 the casing was pressured up to 1480 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 450 psig during the test. There was not a State representative available to witness the test.		
<b>Accepted by the Utah Division of Oil, Gas and Mining</b>		
<b>Date:</b> December 03, 2012		
<b>By:</b> 		
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 11/30/2012	

# Mechanical Integrity Test Casing or Annulus Pressure Test

**Newfield Production Company****Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721**

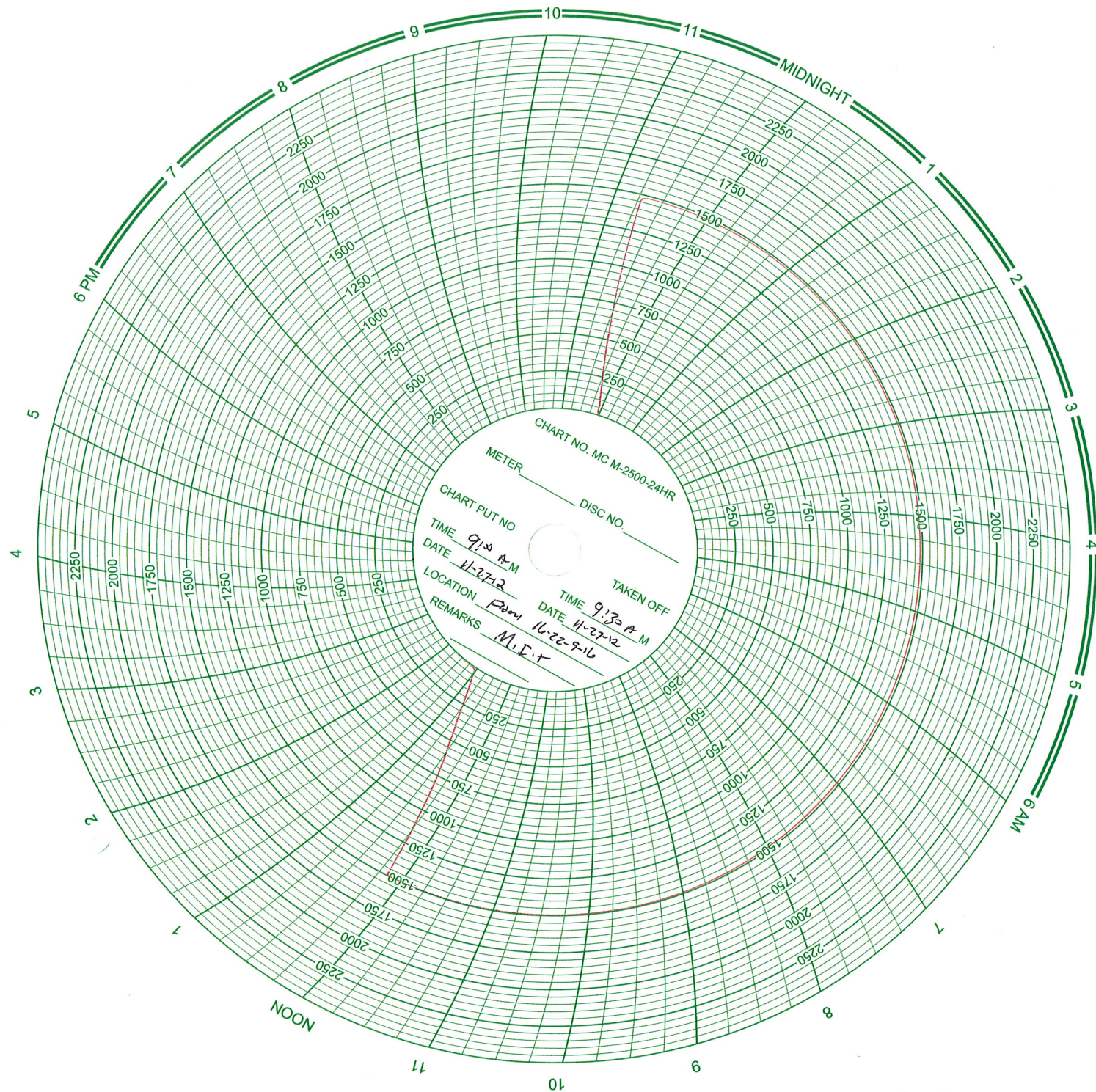
**Witness:** \_\_\_\_\_ **Date** 11/27/12 **Time** 9:00 am **pm**  
**Test Conducted by:** Riley Bagley  
**Others Present:** \_\_\_\_\_

**Well:** Federal 16-22-9-16**Field:** Monument Butte**Well Location:** Federal 16-22-9-16**API No:** 4301333394

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1480</u>	psig
5	<u>1480</u>	psig
10	<u>1480</u>	psig
15	<u>1480</u>	psig
20	<u>1480</u>	psig
25	<u>1480</u>	psig
30 min	<u>1480</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

**Tubing pressure:** 450 psig**Result:**Pass**Fail****Signature of Witness:** \_\_\_\_\_**Signature of Person Conducting Test:** \_\_\_\_\_







## Daily Activity Report

Format For Sundry

**FEDERAL 16-22-9-16**

**9/1/2012 To 1/30/2013**

**11/19/2012 Day: 2**

**Conversion**

NC #2 on 11/19/2012 - Drill Out CIBP, Clean Out To PBTD, LD Excess Tbg, POOH Breaking Collars - C/ Travl 5:30AM To 6:00AM, OWU @ 6:00AM, H/ Oiler Pmped 65 BW Down Tbg, RU RBS Power Swivel, PU 1- Jt Tagged CIBP @ 4698', RU Rig Pmp, Drilled Up CIBP (2 Hr Drill Time), 180 BW Loss, PU 25- Jts, Tagged PBTD @ 5440' (NO FILL), RD Power Swivel, LD 25- Jts, POOH W/ 60 Jts Breaking & Inspecting Collars, Applied Liquid O- Ring To Pins & Retorqued...SWIFN...5:30PM To 6:00PM C/ Travl - MIRUSU, No Pressure On Csg Or Tbg, R/D Wellhead, R/U Weatherford BOPS, POOH W/- 108 Jts Tbg, NC, P/U & TIH W/- RBS Bit & Bit Sub, 149- Jts Tbg, SWI, CSDFN @ 6:00 PM, 6:00 To 6:30 PM C/Trvl. - C/ Travl 5:30AM To 6:00AM, OWU @ 6:00AM, H/ Oiler Pmped 65 BW Down Tbg, RU RBS Power Swivel, PU 1- Jt Tagged CIBP @ 4698', RU Rig Pmp, Drilled Up CIBP (2 Hr Drill Time), 180 BW Loss, PU 25- Jts, Tagged PBTD @ 5440' (NO FILL), RD Power Swivel, LD 25- Jts, POOH W/ 60 Jts Breaking & Inspecting Collars, Applied Liquid O- Ring To Pins & Retorqued...SWIFN...5:30PM To 6:00PM C/ Travl - MIRUSU, No Pressure On Csg Or Tbg, R/D Wellhead, R/U Weatherford BOPS, POOH W/- 108 Jts Tbg, NC, P/U & TIH W/- RBS Bit & Bit Sub, 149- Jts Tbg, SWI, CSDFN @ 6:00 PM, 6:00 To 6:30 PM C/Trvl. - C/ Travl 5:30AM To 6:00AM, OWU @ 6:00AM, H/ Oiler Pmped 65 BW Down Tbg, RU RBS Power Swivel, PU 1- Jt Tagged CIBP @ 4698', RU Rig Pmp, Drilled Up CIBP (2 Hr Drill Time), 180 BW Loss, PU 25- Jts, Tagged PBTD @ 5440' (NO FILL), RD Power Swivel, LD 25- Jts, POOH W/ 60 Jts Breaking & Inspecting Collars, Applied Liquid O- Ring To Pins & Retorqued...SWIFN...5:30PM To 6:00PM C/ Travl - MIRUSU, No Pressure On Csg Or Tbg, R/D Wellhead, R/U Weatherford BOPS, POOH W/- 108 Jts Tbg, NC, P/U & TIH W/- RBS Bit & Bit Sub, 149- Jts Tbg, SWI, CSDFN @ 6:00 PM, 6:00 To 6:30 PM C/Trvl. - C/ Travl 5:30AM To 6:00AM, OWU @ 6:00AM, H/ Oiler Pmped 65 BW Down Tbg, RU RBS Power Swivel, PU 1- Jt Tagged CIBP @ 4698', RU Rig Pmp, Drilled Up CIBP (2 Hr Drill Time), 180 BW Loss, PU 25- Jts, Tagged PBTD @ 5440' (NO FILL), RD Power Swivel, LD 25- Jts, POOH W/ 60 Jts Breaking & Inspecting Collars, Applied Liquid O- Ring To Pins & Retorqued...SWIFN...5:30PM To 6:00PM C/ Travl - MIRUSU, No Pressure On Csg Or Tbg, R/D Wellhead, R/U Weatherford BOPS, POOH W/- 108 Jts Tbg, NC, P/U & TIH W/- RBS Bit & Bit Sub, 149- Jts Tbg, SWI, CSDFN @ 6:00 PM, 6:00 To 6:30 PM C/Trvl. - C/ Travl 5:30AM To 6:00AM, OWU @ 6:00AM, H/ Oiler Pmped 65 BW Down Tbg, RU RBS Power Swivel, PU 1- Jt Tagged CIBP @ 4698', RU Rig Pmp, Drilled Up CIBP (2 Hr Drill Time), 180 BW Loss, PU 25- Jts, Tagged PBTD @ 5440' (NO FILL), RD Power Swivel, LD 25- Jts, POOH W/ 60 Jts Breaking & Inspecting Collars, Applied Liquid O- Ring To Pins & Retorqued...SWIFN...5:30PM To 6:00PM C/ Travl - MIRUSU, No Pressure On Csg Or Tbg, R/D Wellhead, R/U Weatherford BOPS, POOH W/- 108 Jts Tbg, NC, P/U & TIH W/- RBS Bit & Bit Sub, 149- Jts Tbg, SWI, CSDFN @ 6:00 PM, 6:00 To 6:30 PM C/Trvl. - C/ Travl 5:30AM To 6:00AM, OWU @ 6:00AM, H/ Oiler Pmped 65 BW Down Tbg, RU RBS Power Swivel, PU 1- Jt Tagged CIBP @ 4698', RU Rig Pmp, Drilled Up CIBP (2 Hr Drill Time), 180 BW Loss, PU 25- Jts, Tagged PBTD @ 5440' (NO FILL), RD Power Swivel, LD 25- Jts, POOH W/ 60 Jts Breaking & Inspecting Collars, Applied Liquid O- Ring To Pins & Retorqued...SWIFN...5:30PM To 6:00PM C/ Travl - MIRUSU, No Pressure On Csg Or Tbg, R/D Wellhead, R/U Weatherford BOPS, POOH W/- 108 Jts Tbg, NC, P/U & TIH W/- RBS Bit & Bit Sub, 149- Jts Tbg, SWI, CSDFN @ 6:00 PM, 6:00 To 6:30 PM C/Trvl. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$19,960

---

**11/20/2012 Day: 3**

**Conversion**

NC #2 on 11/20/2012 - Contin POOH W/ Tbg Breaking Collars, MU & RIH W/ XN Arrow Set PKR, PT Tbg - C/ Travl 5:30AM To 6:00AM, OWU @ 6:00AM, H/ Oiler Pmped 40BW Down Tbg, Conti POOH W/ 90 Jts Tbg Breaking & Inspecting Collars, Applied Liquid O- Ring & Retorqued, MU & RIH W/ XN Arrow Set Injection PKR, TIH W/ 150 Jts, H/ Oiler Pmped 10 BW Down Tbg, Seated Stnd Valve W/ Sandline, 20BW To Fill Tbg, MU Isolation T, PT Tbg To 3000psi, 125psi Loss In 60 Min, RePressured Tbg To 3000psi, No Pressure Loss In 60 Min, Retrieved Stnd Valve, RD Workfloor, NU BOP, MU 3K Injection Tree, Ready Circulate Well To PT Csg....SWIFN...6:00PM To 6:30PM C/ Travl - C/ Travl 5:30AM To 6:00AM, OWU @ 6:00AM, H/ Oiler Pmped 40BW Down Tbg, Conti POOH W/ 90 Jts Tbg Breaking & Inspecting Collars, Applied Liquid O- Ring & Retorqued, MU & RIH W/ XN Arrow Set Injection PKR, TIH W/ 150 Jts, H/ Oiler Pmped 10 BW Down Tbg, Seated Stnd Valve W/ Sandline, 20BW To Fill Tbg, MU Isolation T, PT Tbg To 3000psi, 125psi Loss In 60 Min, RePressured Tbg To 3000psi, No Pressure Loss In 60 Min, Retrieved Stnd Valve, RD Workfloor, NU BOP, MU 3K Injection Tree, Ready Circulate Well To PT Csg....SWIFN...6:00PM To 6:30PM C/ Travl - C/ Travl 5:30AM To 6:00AM, OWU @ 6:00AM, H/ Oiler Pmped 40BW Down Tbg, Conti POOH W/ 90 Jts Tbg Breaking & Inspecting Collars, Applied Liquid O- Ring & Retorqued, MU & RIH W/ XN Arrow Set Injection PKR, TIH W/ 150 Jts, H/ Oiler Pmped 10 BW Down Tbg, Seated Stnd Valve W/ Sandline, 20BW To Fill Tbg, MU Isolation T, PT Tbg To 3000psi, 125psi Loss In 60 Min, RePressured Tbg To 3000psi, No Pressure Loss In 60 Min, Retrieved Stnd Valve, RD Workfloor, NU BOP, MU 3K Injection Tree, Ready Circulate Well To PT Csg....SWIFN...6:00PM To 6:30PM C/ Travl

**Daily Cost:** \$0

**Cumulative Cost:** \$37,462

---

**11/21/2012 Day: 4**

**Conversion**

NC #2 on 11/21/2012 - H/ Oiler Circulated 70BW Down Csg W/ PKR Fluid, Set Injection PKR, PT Csg To 1500psi, GOOD TEST, READY FOR MIT - C/ Travl 5:30AM To 6:00AM, OWU @ 6:00AM, H/ Oiler Circulated 70BW W/ PKR Fluids Down Csg, Set XN Arrow Set PKR CE @ 4703' W/ 1500# Tension, H/ Oiler Pmped 20BW To Fill Csg, PT Csg To 1500psi, 75psi Loss In 30 Min, Repressured Csg To 1500psi, NO PRESSURE LOSS IN 60 Min, GOOD TEST!, X- Over For Rods, RDMOSU....FINAL REPORT! READY FOR MIT!!!! - C/ Travl 5:30AM To 6:00AM, OWU @ 6:00AM, H/ Oiler Circulated 70BW W/ PKR Fluids Down Csg, Set XN Arrow Set PKR CE @ 4703' W/ 1500# Tension, H/ Oiler Pmped 20BW To Fill Csg, PT Csg To 1500psi, 75psi Loss In 30 Min, Repressured Csg To 1500psi, NO PRESSURE LOSS IN 60 Min, GOOD TEST!, X- Over For Rods, RDMOSU....FINAL REPORT! READY FOR MIT!!!! - C/ Travl 5:30AM To 6:00AM, OWU @ 6:00AM, H/ Oiler Circulated 70BW W/ PKR Fluids Down Csg, Set XN Arrow Set PKR CE @ 4703' W/ 1500# Tension, H/ Oiler Pmped 20BW To Fill Csg, PT Csg To 1500psi, 75psi Loss In 30 Min, Repressured Csg To 1500psi, NO PRESSURE LOSS IN 60 Min, GOOD TEST!, X- Over For Rods, RDMOSU....FINAL REPORT! READY FOR MIT!!!! **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$42,317

---

**11/28/2012 Day: 5**

**Conversion**

Rigless on 11/28/2012 - Conduct initial MIT - On 11/26/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/27/2012 the casing was pressured up to 1480 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 450 psig during the test. There was not a State representative available to witness the test. - On 11/26/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/27/2012 the casing was pressured up to 1480 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 450 psig during the test. There was not a State representative available to witness the

test. - On 11/26/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/27/2012 the casing was pressured up to 1480 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 450 psig during the test. There was not a State representative available to witness the test. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$120,951

---

**Pertinent Files:** [Go to File List](#)

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-74392
<b>1. TYPE OF WELL</b> Water Injection Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630, Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> FEDERAL 16-22-9-16
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2068 FSL 0649 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 22 Township: 09.0S Range: 16.0E Meridian: S		<b>9. API NUMBER:</b> 43013333940000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input checked="" type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input checked="" type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 5/7/2013	<input type="checkbox"/> SPUD REPORT Date of Spud:	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <div style="text-align: center; margin-top: 20px;">           The above reference well was put on injection at 1:30 PM on            05/07/2013.         </div> <div style="text-align: right; margin-top: 20px;"> <b>Accepted by the            Utah Division of            Oil, Gas and Mining            FOR RECORD ONLY            May 08, 2013</b> </div>		
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 5/8/2013	

Spud Date: 08/27/07  
Put on Production: 10/10/07  
GL: 5800' KB: 5812'

## FEDERAL 16-22-9-16

### Injection Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (293.76')  
DEPTH LANDED: 305.61' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 6 bbls cmt to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: ? jts (')  
DEPTH LANDED: 6051' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 350 sxs Prem Lite II mixed & 525 sxs 50/50 POZ  
CEMENT TOP: 39'

#### TUBING

SIZE/GRADE/WT: 2-7/8" / N-80 / 6.5#  
NO OF JOINTS: 42 jts (1309')  
SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
NO OF JOINTS: 108 jts (3375')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 4696.7' KB  
ON/OFF TOOL AT: 4697.8'  
X-SEAL LANDED AT: 4699.3' KB  
ARROW #1 PACKER CE AT: 4703.09'  
XO 2-3/8 x 2-7/8 J-55 AT: 4706.6'  
TBG PUP 2-3/8 J-55 AT: 4707.1'  
X/N NIPPLE AT: 4711.1'  
TOTAL STRING LENGTH: EOT @ 4713'

#### FRAC JOB

10/05/07	5035-5071'	<b>Frac A1 sands as follows:</b> 140366# 20/40 sand in 1008 bbl Lightning 17 frac fluid. Treated @ avg press of 1851 psi w/avg rate of 24.8 BPM. ISIP 2081 psi. Calc flush: 5033 gal. Actual flush: 4536 gal.
10/06/07	4964-4969'	<b>Frac A.5 sands as follows:</b> 15004# 20/40 sand in 274 bbls Lightning 17 frac fluid. Treated @ avg press of 2605 psi w/avg rate of 24.8 BPM. ISIP 1909 psi. Calc flush: 4962 gal. Actual flush: 4456 gal.
10/05/07	4860-4867'	<b>Frac B2 sands as follows:</b> 13965# 20/40 sand in 269 bbls Lightning 17 frac fluid. Treated @ avg press of 2130 psi w/avg rate of 24.8 BPM. ISIP 1925 psi. Calc flush: 4858 gal. Actual flush: 4355 gal.
10/05/07	4748-4760'	<b>Frac C sands as follows:</b> 41811# 20/40 sand in 406 bbls Lightning 17 frac fluid. Treated @ avg press of 2620 psi w/avg rate of 24.8 BPM. ISIP 2235 psi. Calc flush: 4746 gal. Actual flush: 4662 gal.
6/17/08		<b>Parted rods.</b> Updated rod and tubing detail
11/19/08		<b>Pump Change.</b> Updated rod & tubing details.
2/13/09		<b>Tubing Leak.</b> Updated r & t details.
6/18/2010		<b>Tubing leak.</b> Updated rod and tubing detail.
11/21/12		<b>Convert to Injection Well</b>
11/27/12		<b>Conversion MIT Finalized</b> - update tbg detail

#### PERFORATION RECORD

10/02/07	5035-5071'	4 JSPF	144 holes
10/05/07	4964-4969'	4 JSPF	20 holes
10/05/07	4860-4867'	4 JSPF	28 holes
10/05/07	4748-4760'	4 JSPF	48 holes

SN @ 4697'  
On Off Tool @ 4698'  
SN @ 4699'  
Packer @ 4703'  
X/N Nipple @ 4711'  
EOT @ 4713'  
4748-4760'  
4860-4867'  
4964-4969'  
5035-5071'  
PBSD @ 5440'  
TD @ 6075'

### NEWFIELD

#### FEDERAL 16-22-9-16

2068' FSL & 649' FEL  
NE/SE Section 22-T9S-R16E  
Duchesne Co, Utah  
API #43-013-33394; Lease # UTU-74392



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

## UNDERGROUND INJECTION CONTROL PERMIT


Cause No. UIC-395

**Operator:** Newfield Production Company  
**Well:** Federal 16-22-9-16  
**Location:** Section 22, Township 9 South, Range 16 East  
**County:** Duchesne  
**API No.:** 43-013-33394  
**Well Type:** Enhanced Recovery (waterflood)

### Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on July 25, 2012.
2. Maximum Allowable Injection Pressure: 1,877 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,872' – 5,440')
5. Any subsequent wells drilled within a ½ mile radius of this well shall have production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

Approved by:

  
John Rogers  
Associate Director

12-6-2012  
Date

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Eric Sundberg, Newfield Production Company, Denver  
Newfield Production Company, Myton  
Duchesne County  
Well File

N:\O&G Reviewed Docs\ChronFile\UIC

